

Figure 01 - Parallel Optical Fiber

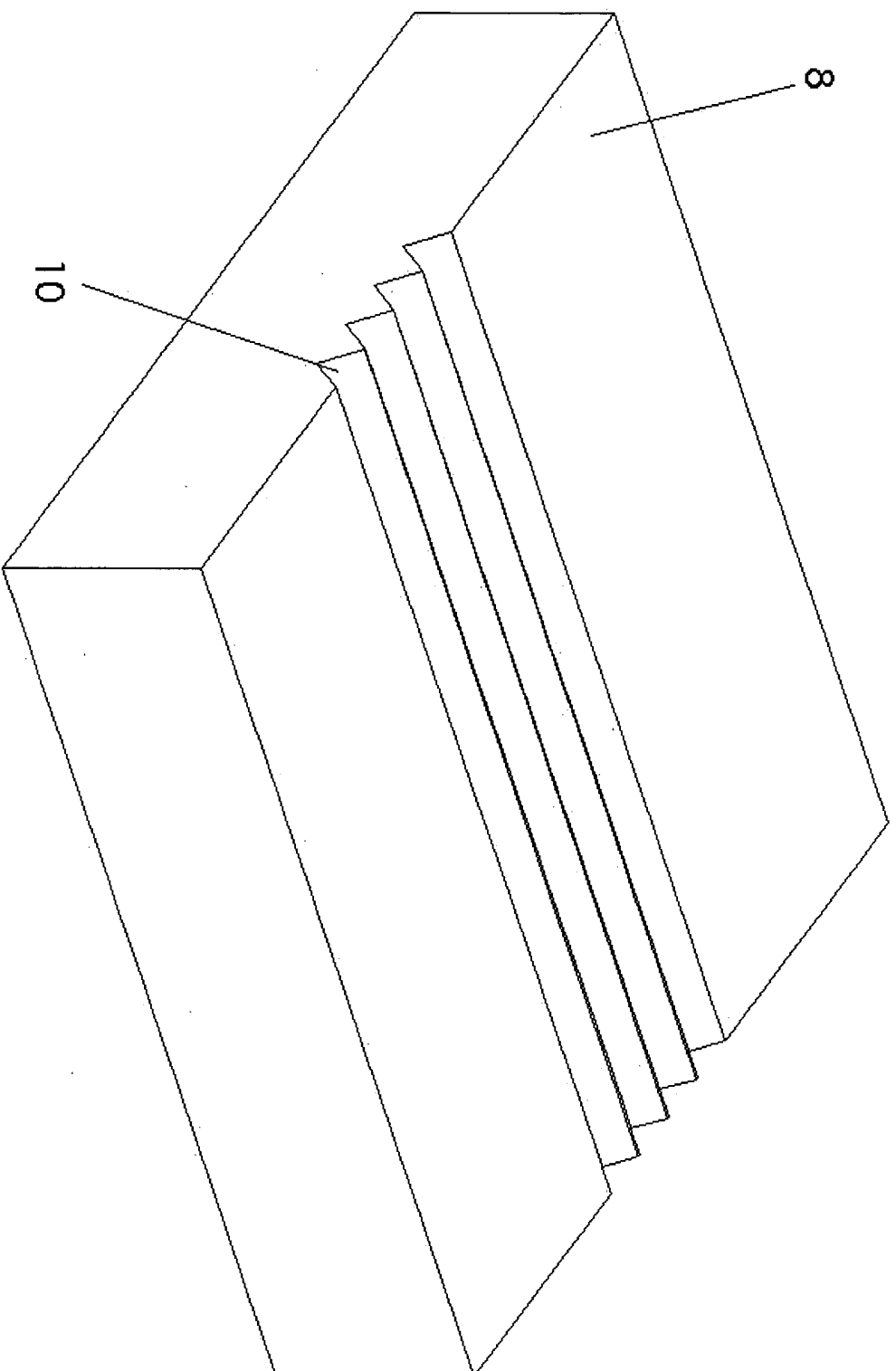


Figure 02a - Silicon V-Groove Chip (Perspective)

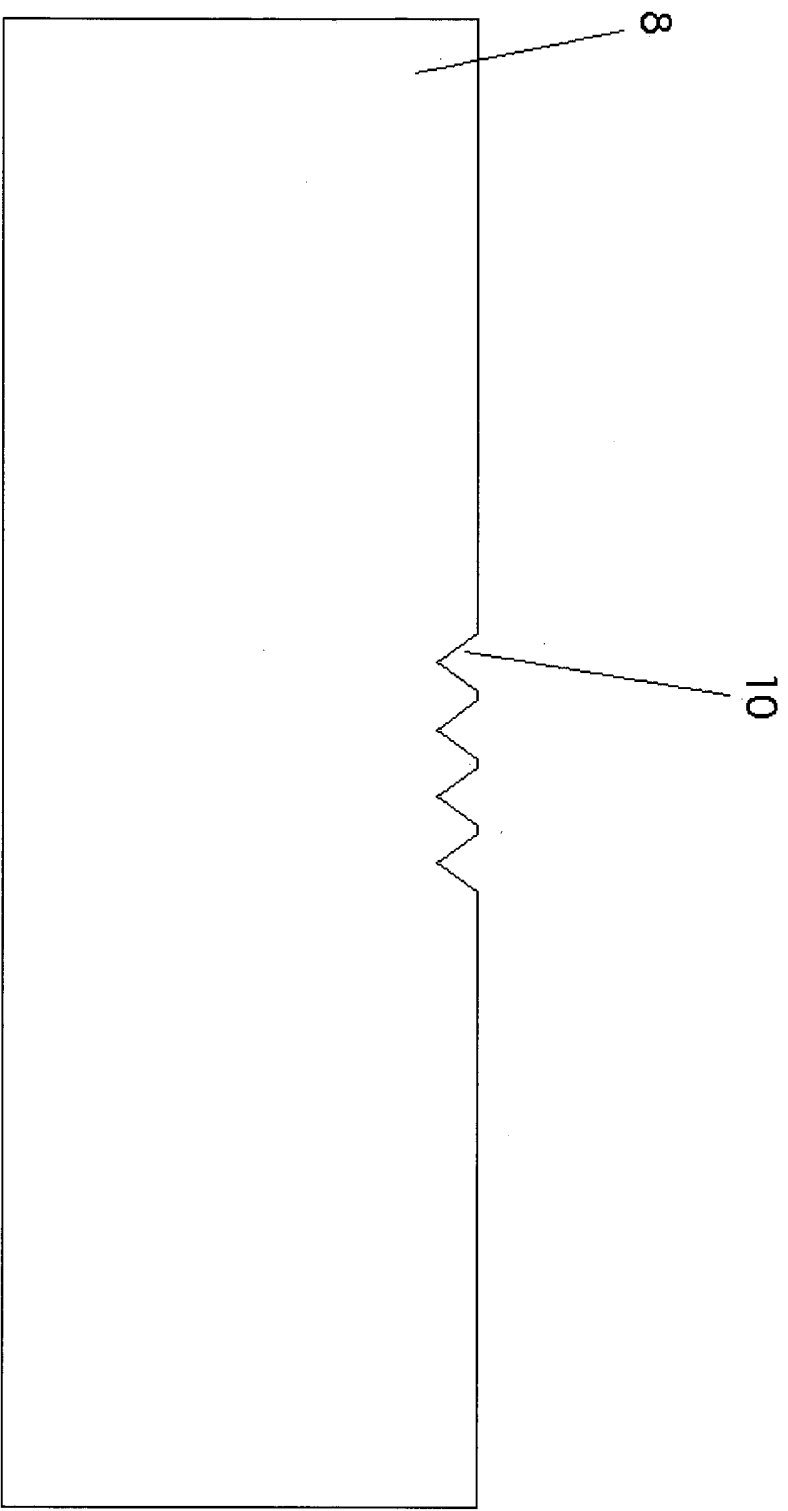


Figure 02b - Silicon V-Groove Chip (Front)

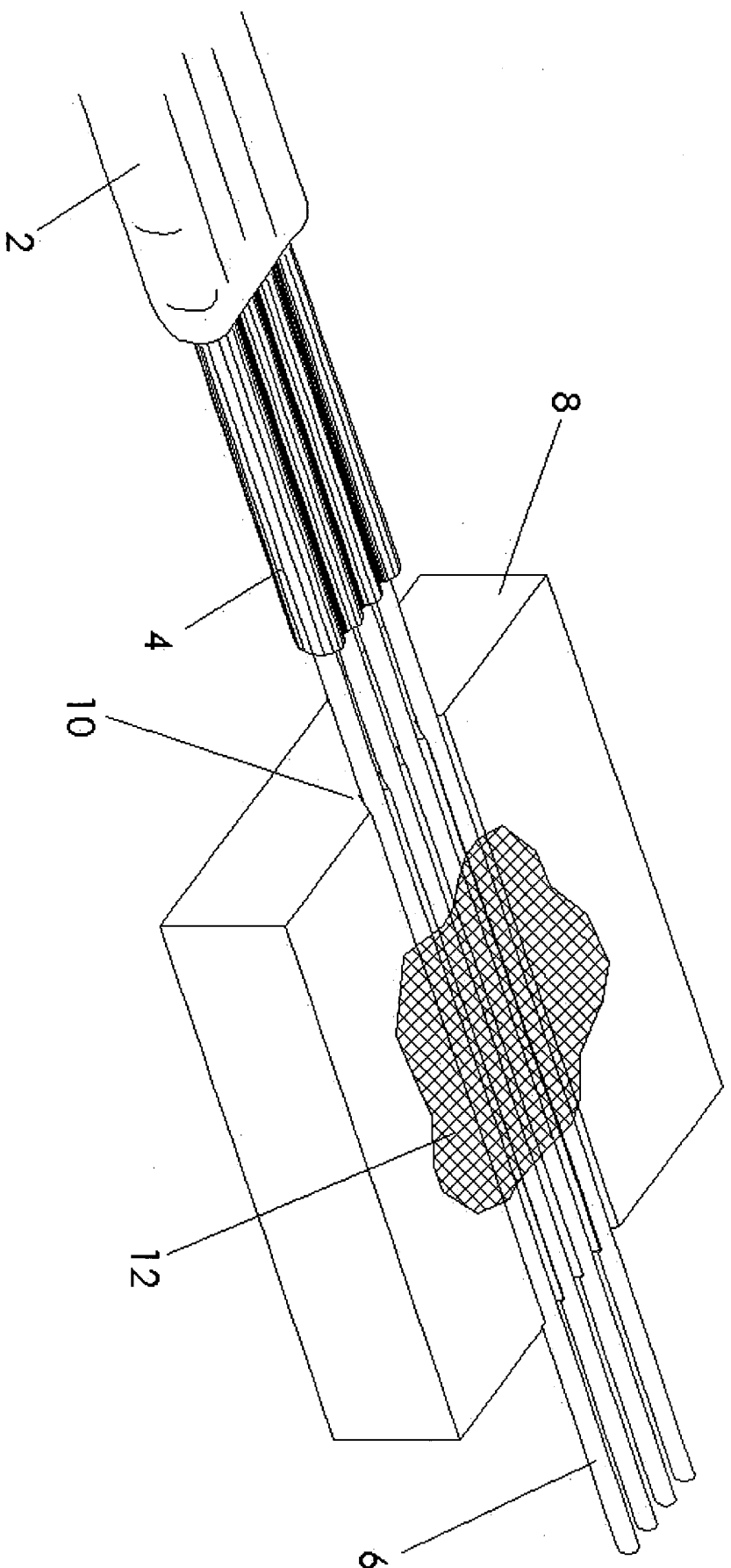


Figure 03a - Fibers with Epoxy (Perspective)

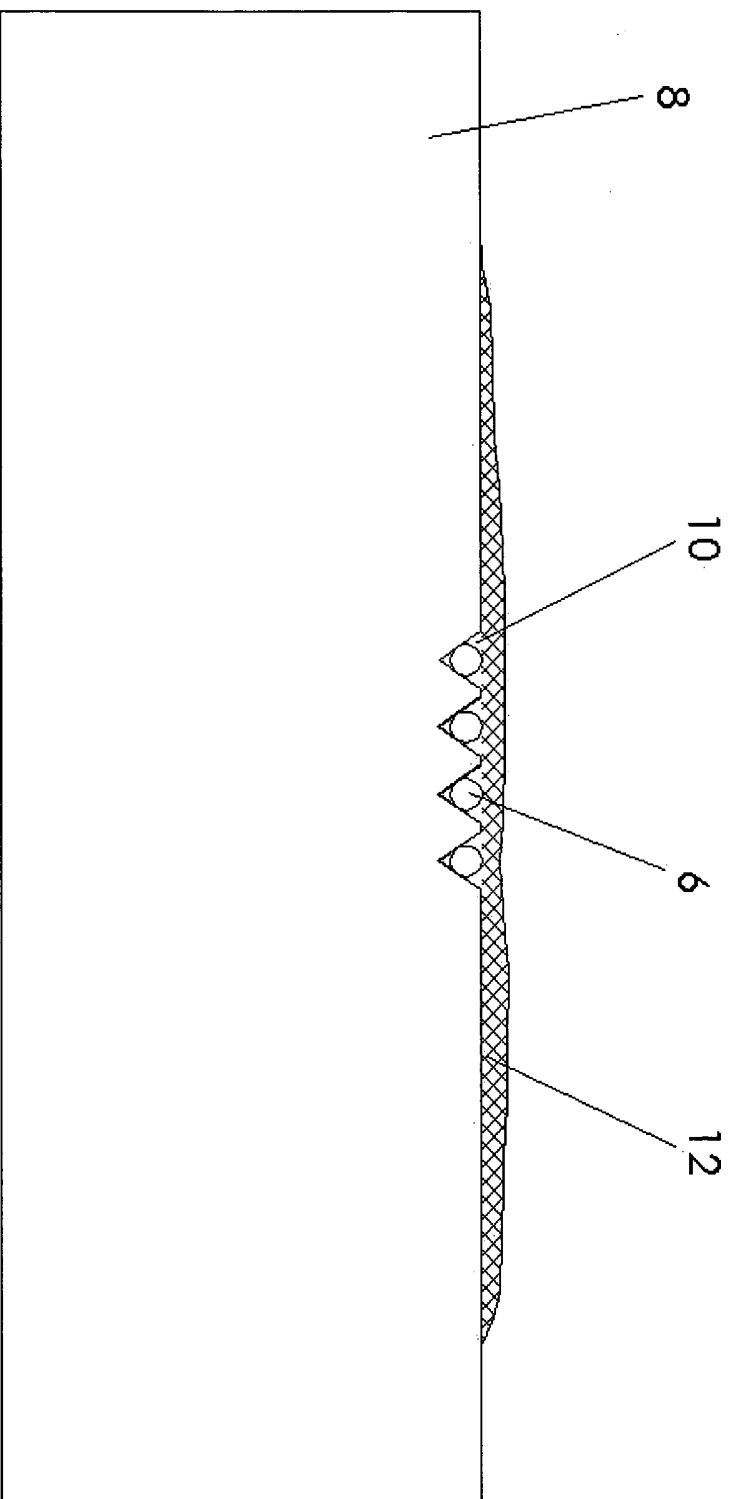


Figure 03b - Fibers with Epoxy (Front)

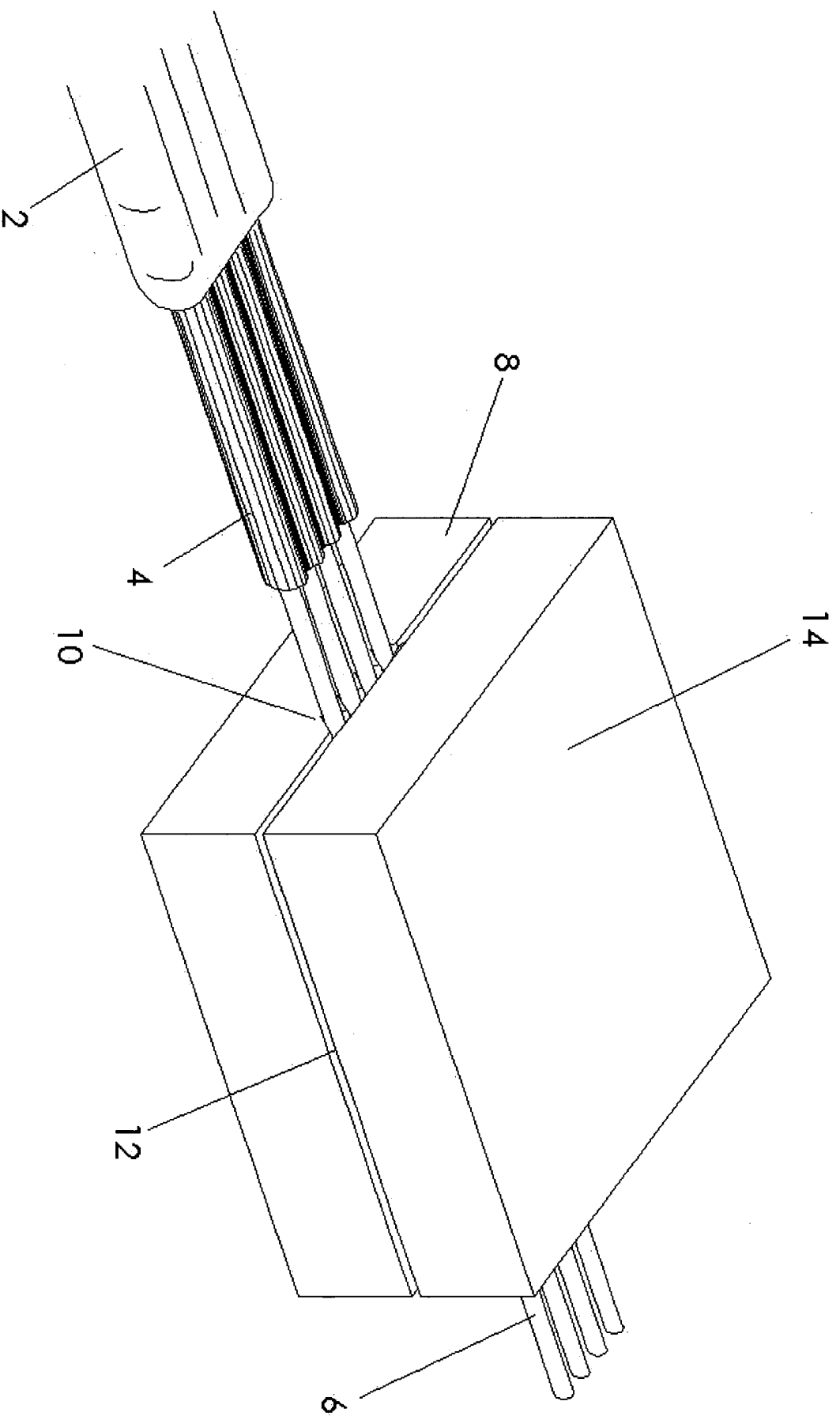


Figure 04a - Cover Plate (Glass) (Perspective)

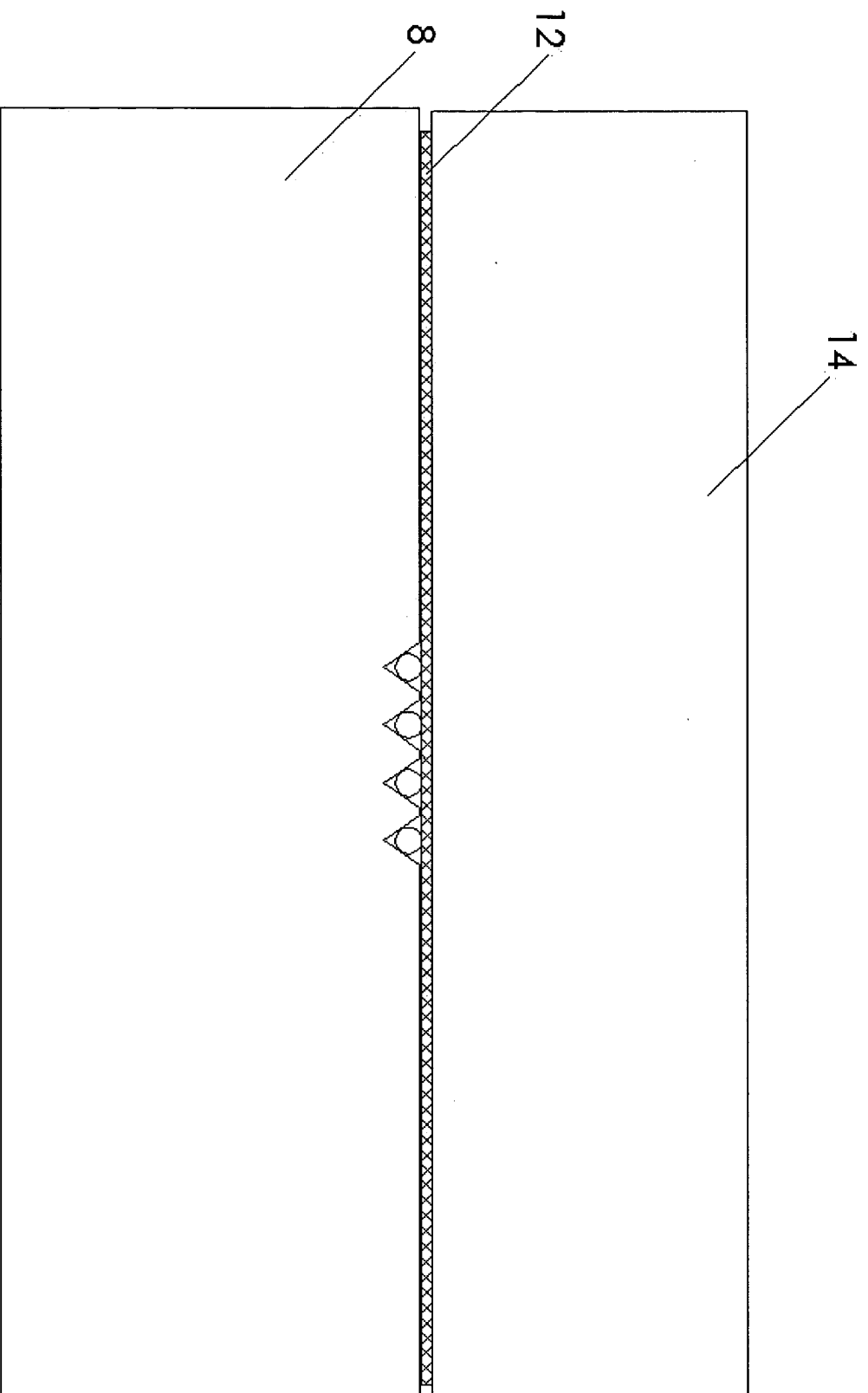


Figure 04b - Cover Plate (glass) (Front)

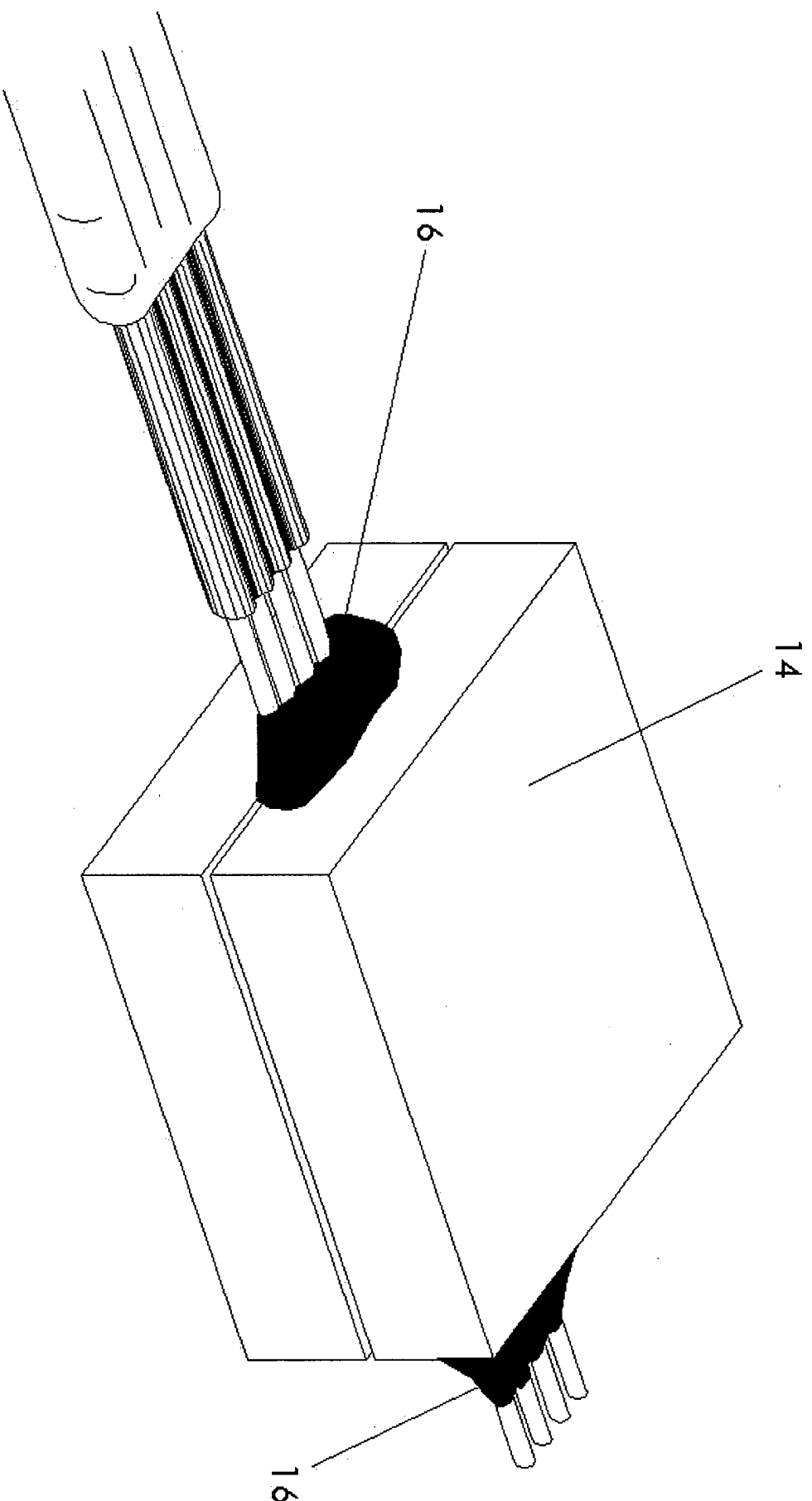


Figure 05a - Protective Epoxy (Perspective)



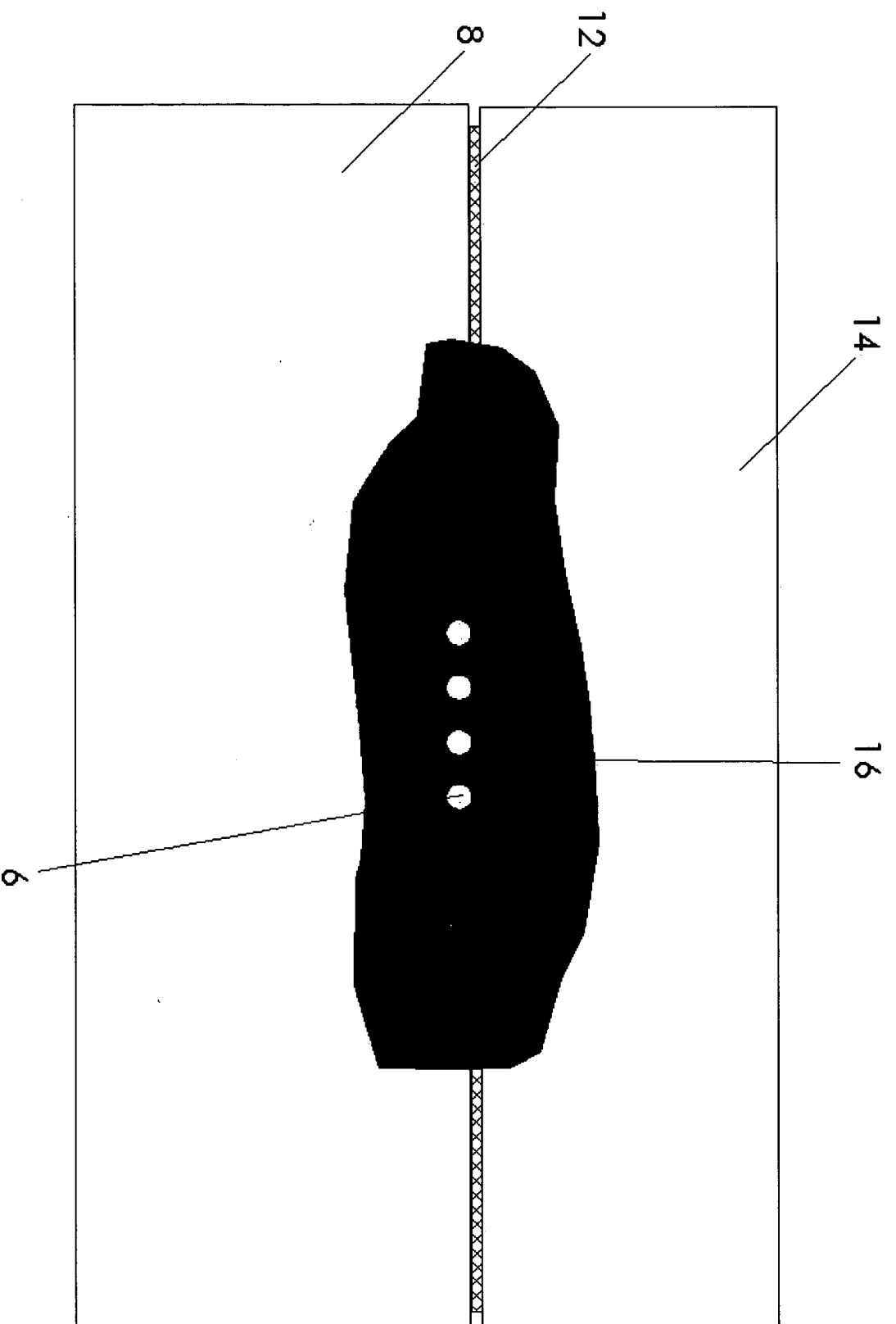


Figure 05b - Protective Epoxy (Front)

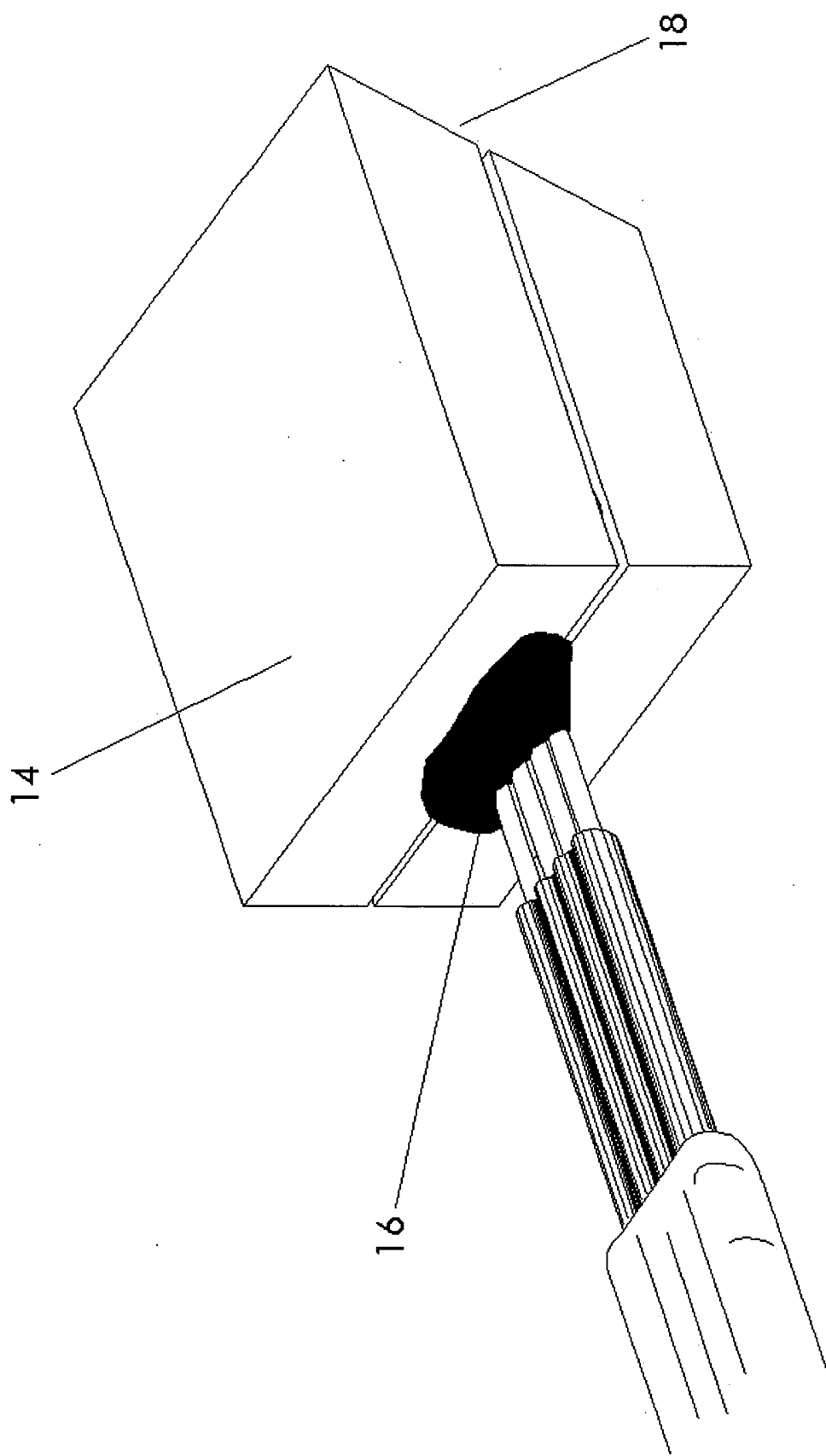


Figure 06a - Bevel (Perspective)

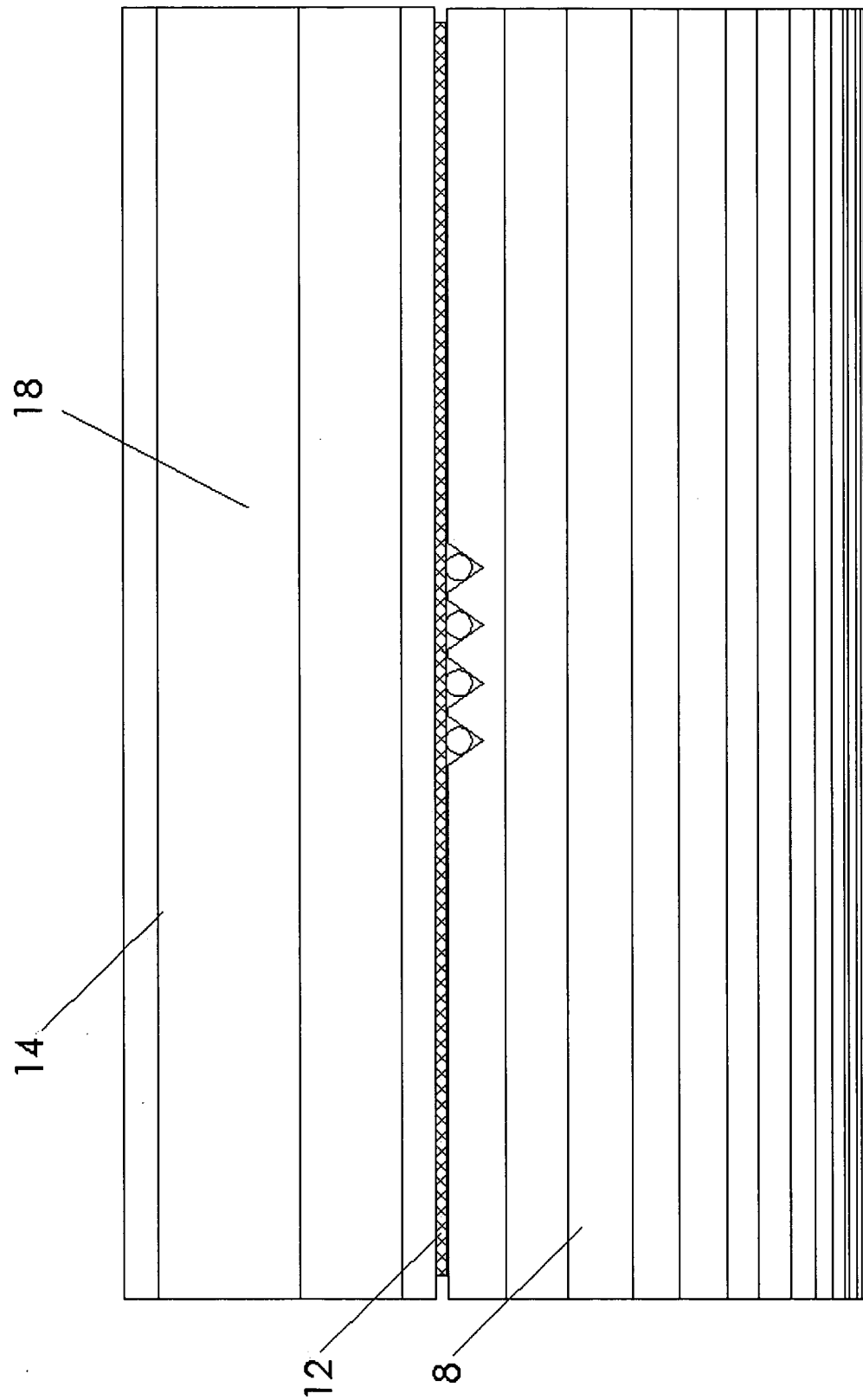


Figure 06b - Bevel (Front)

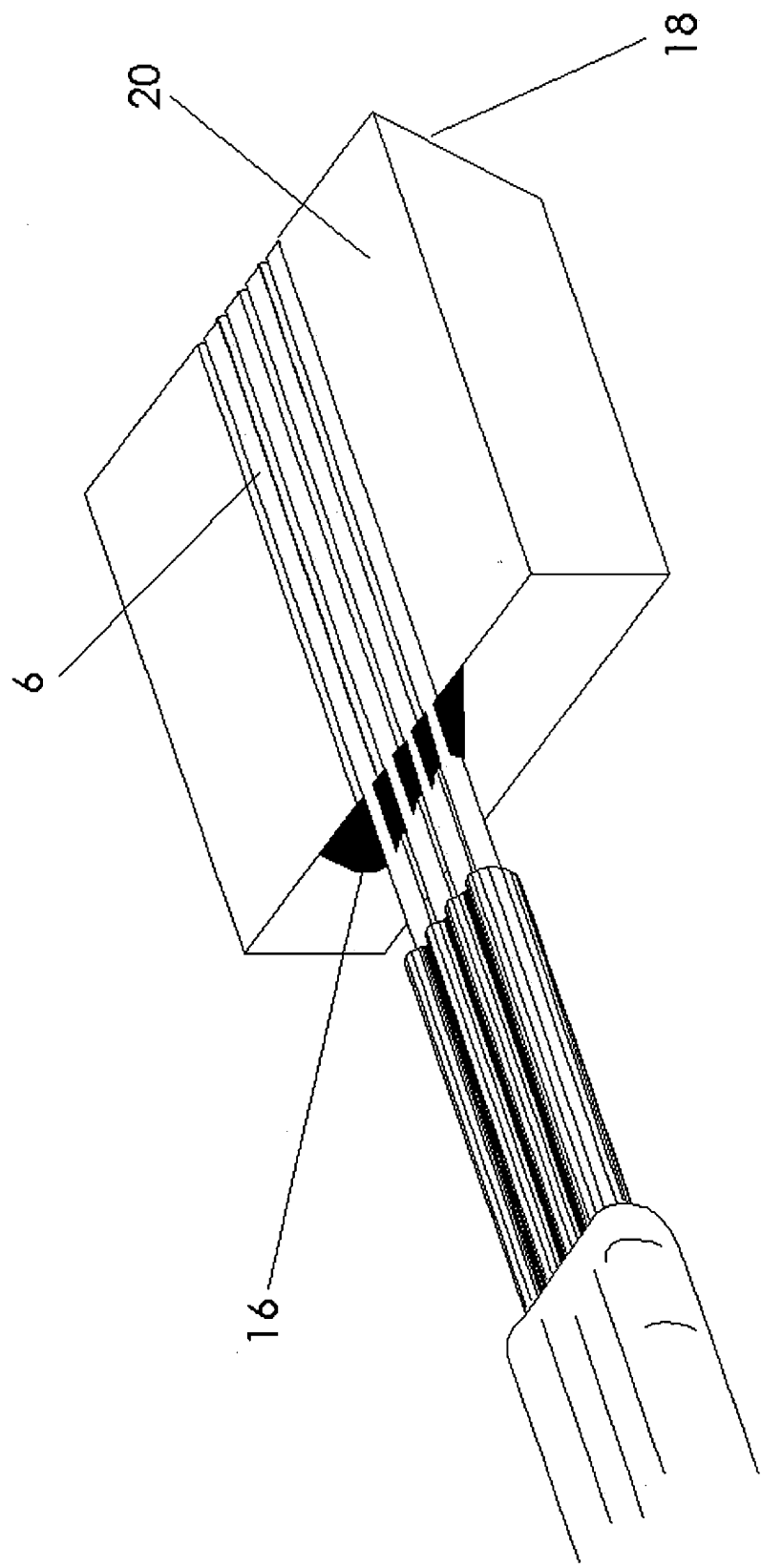


Figure 07a - Cover Plate Removal (Perspective)

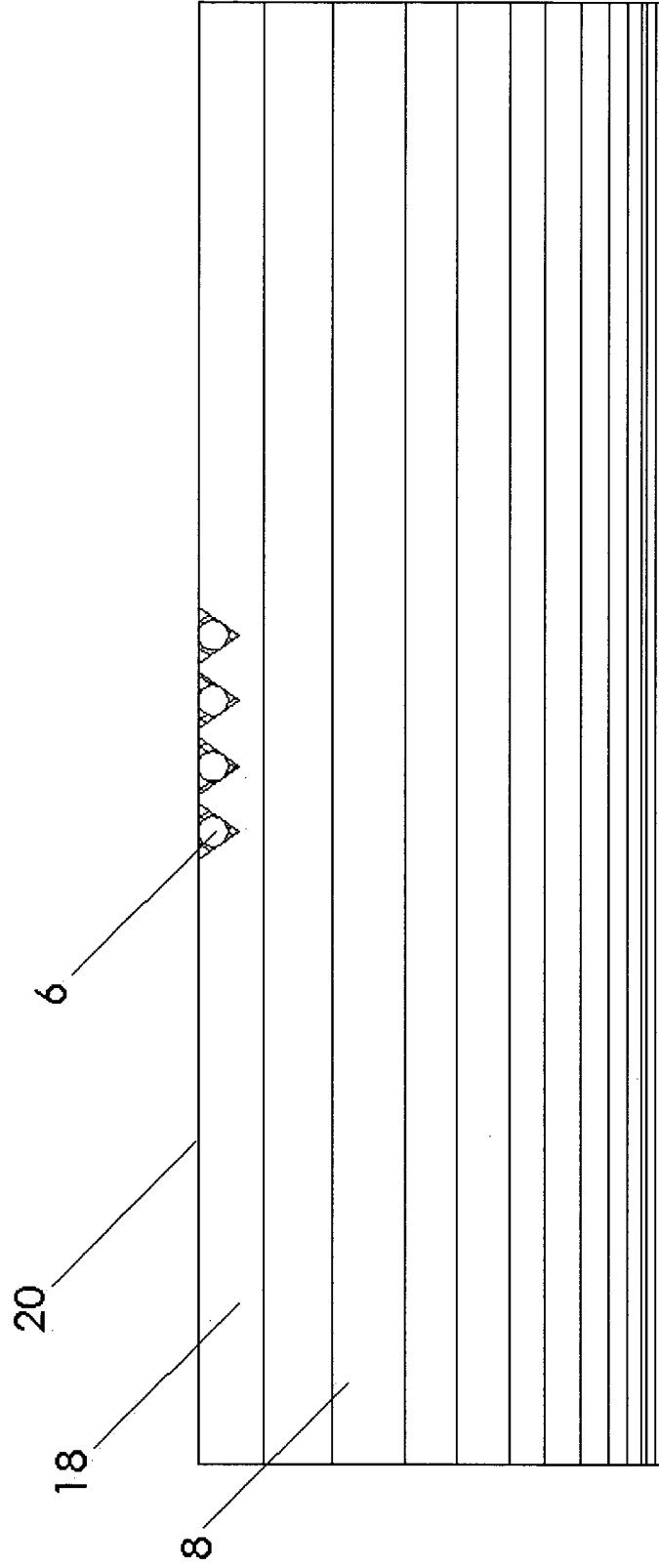


Figure 07b - Cover Plate Removal (Front)

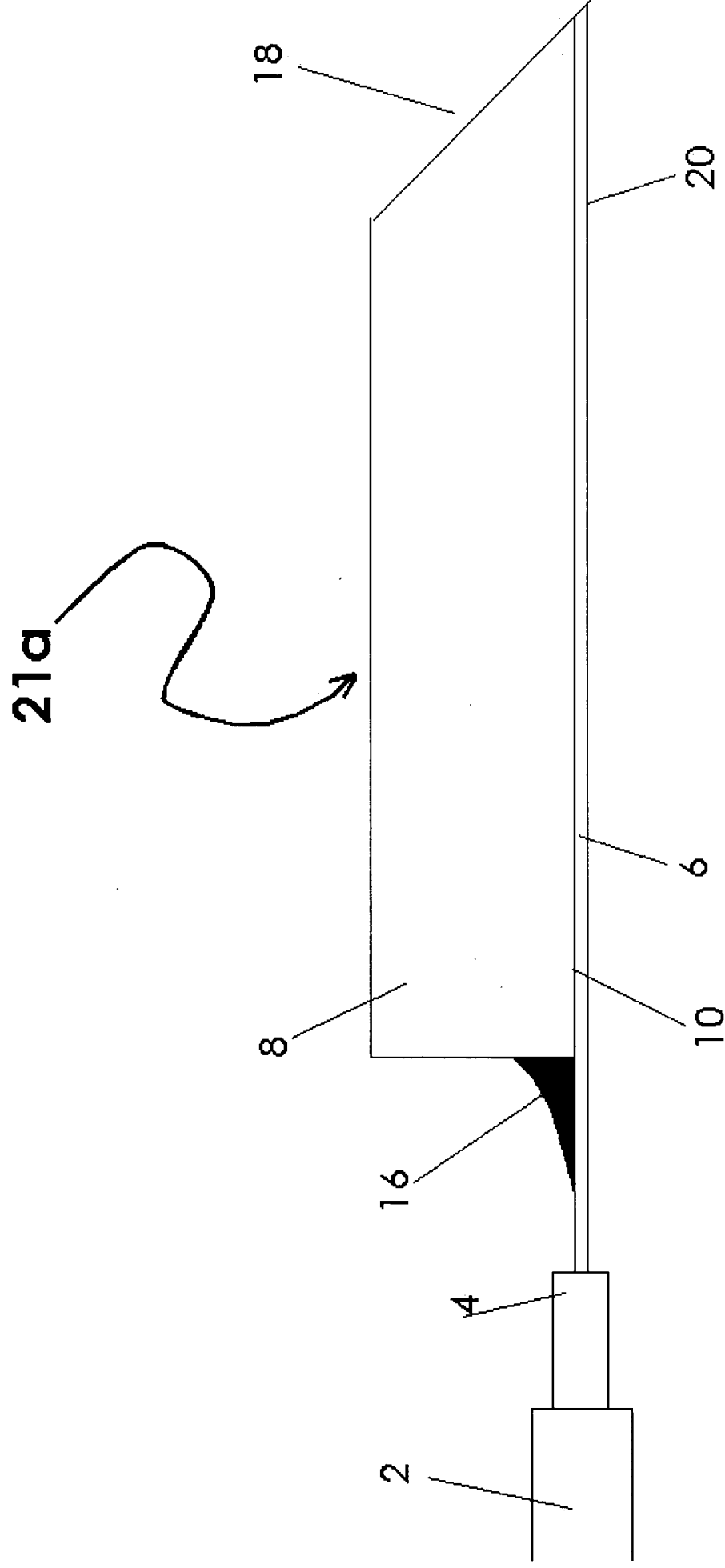


Figure 08 - Completed Connector (to Scale Side View)

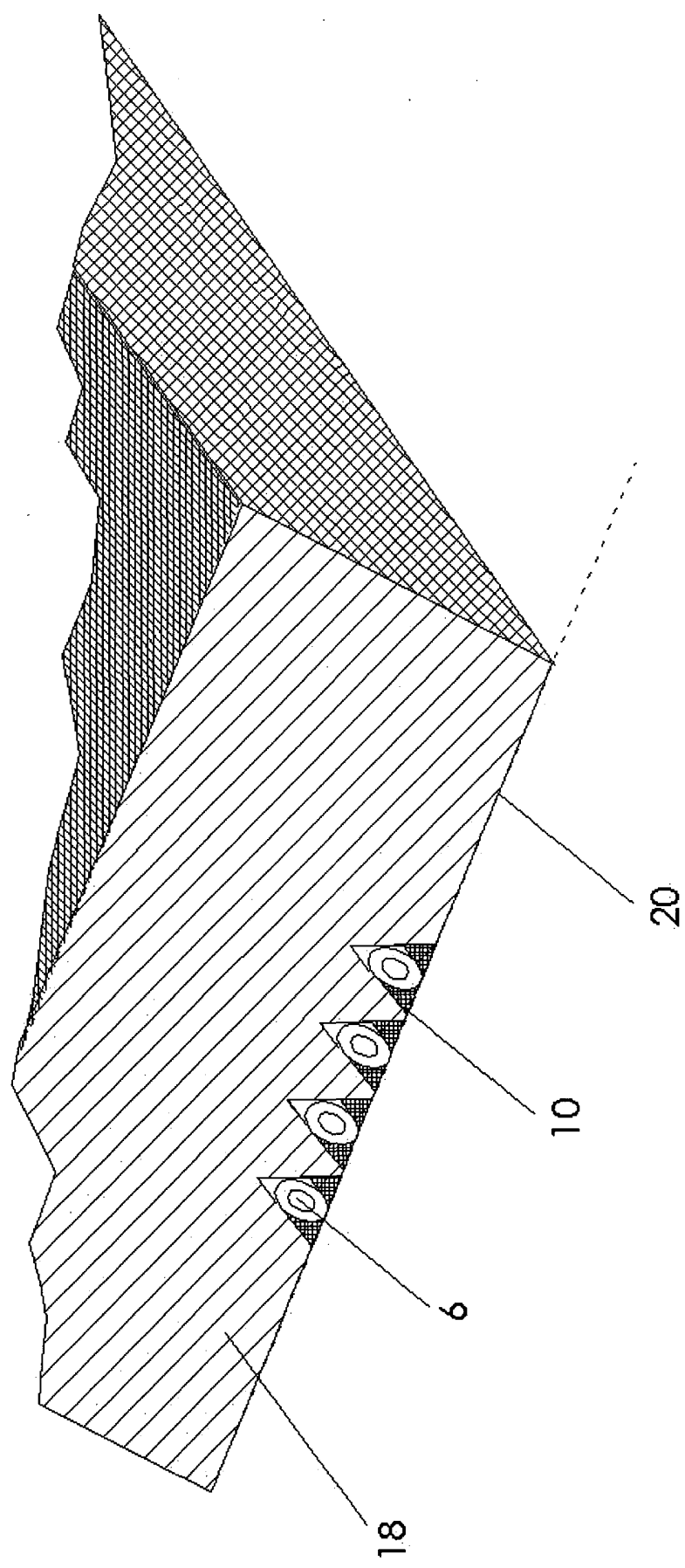


Figure 09a - Perfect Polish (Perspective of Front)

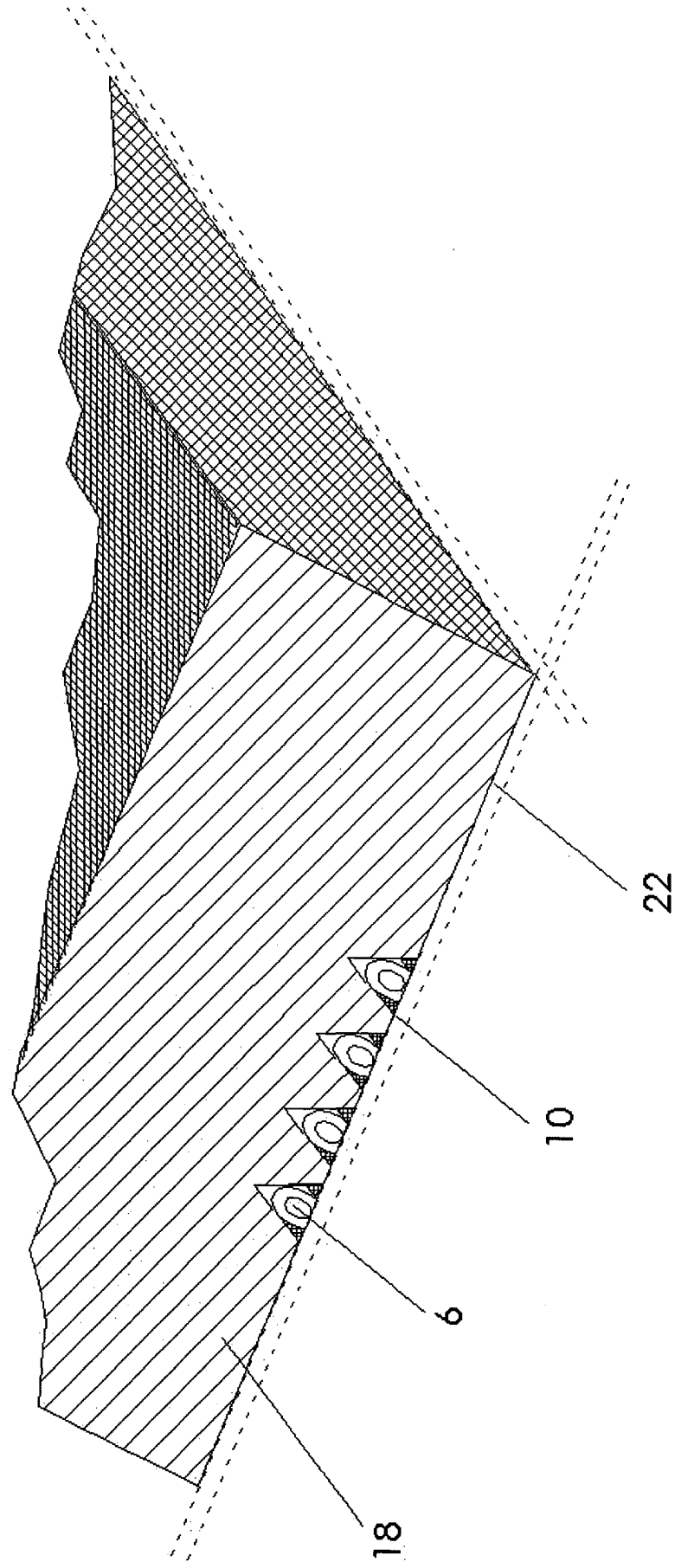


Figure 09b - Over Polished (Perspective of Front)



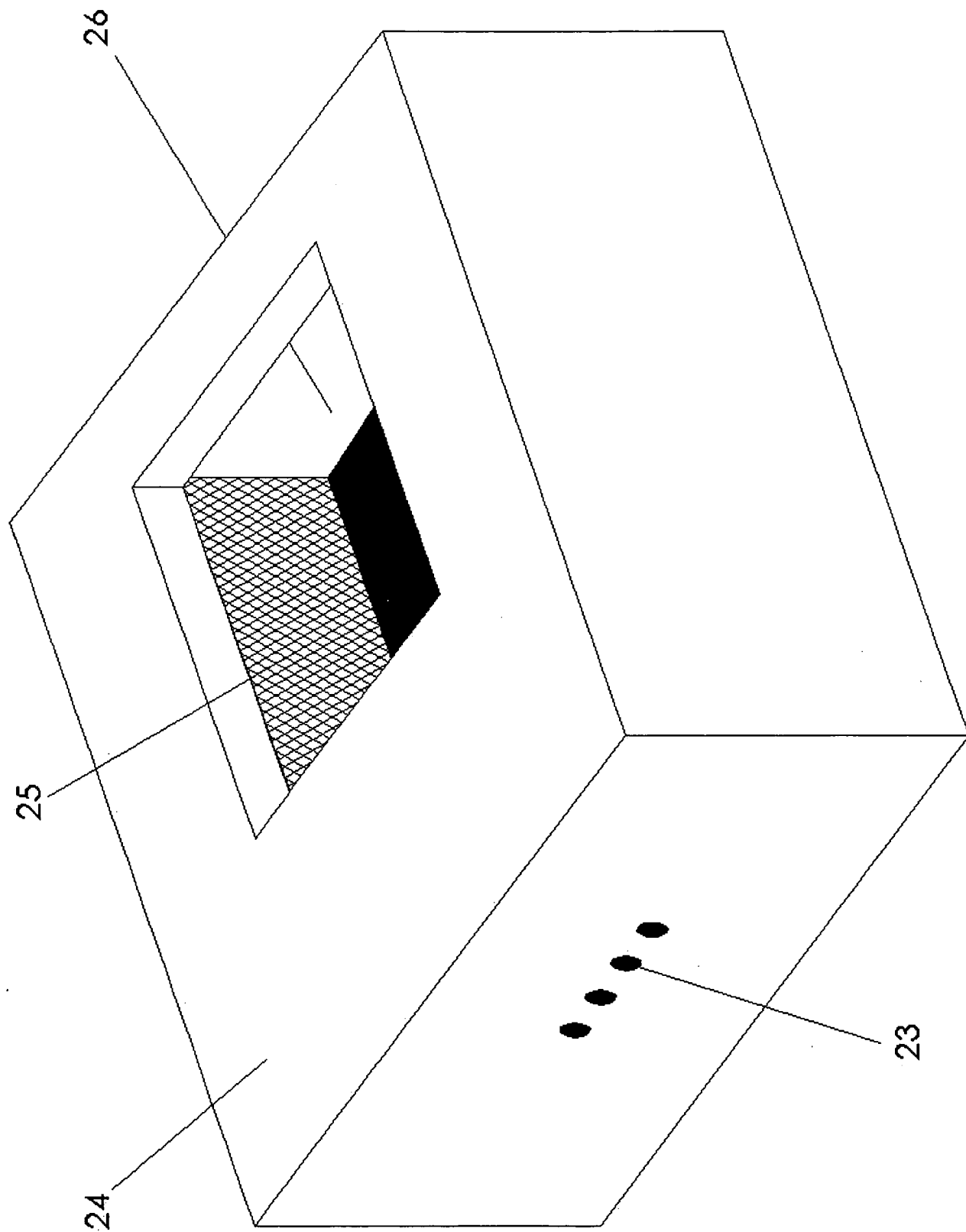


Figure 10a - Plastic Ferrule (Perspective)

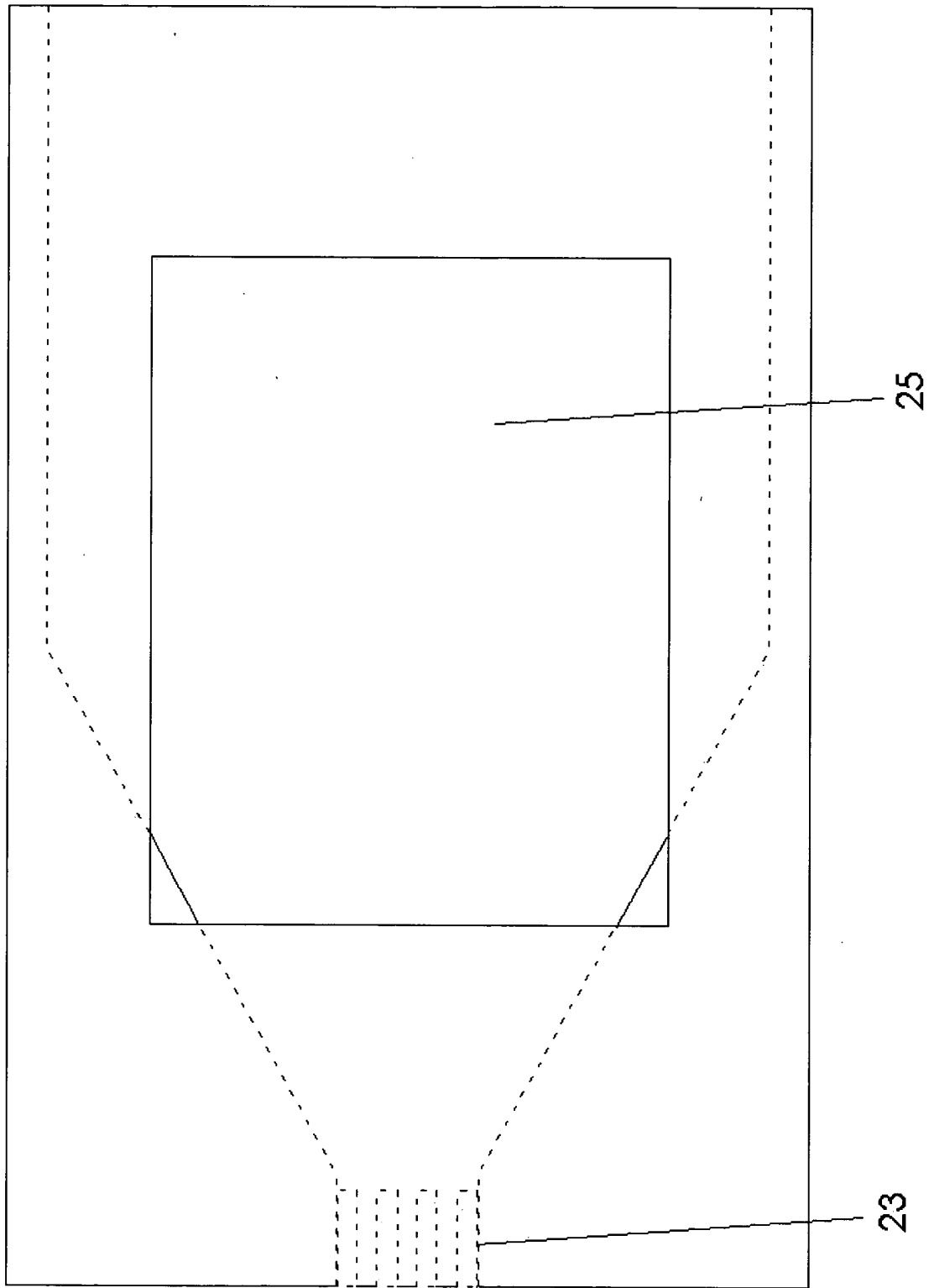


Figure 10b - Plastic Ferrule (Top)

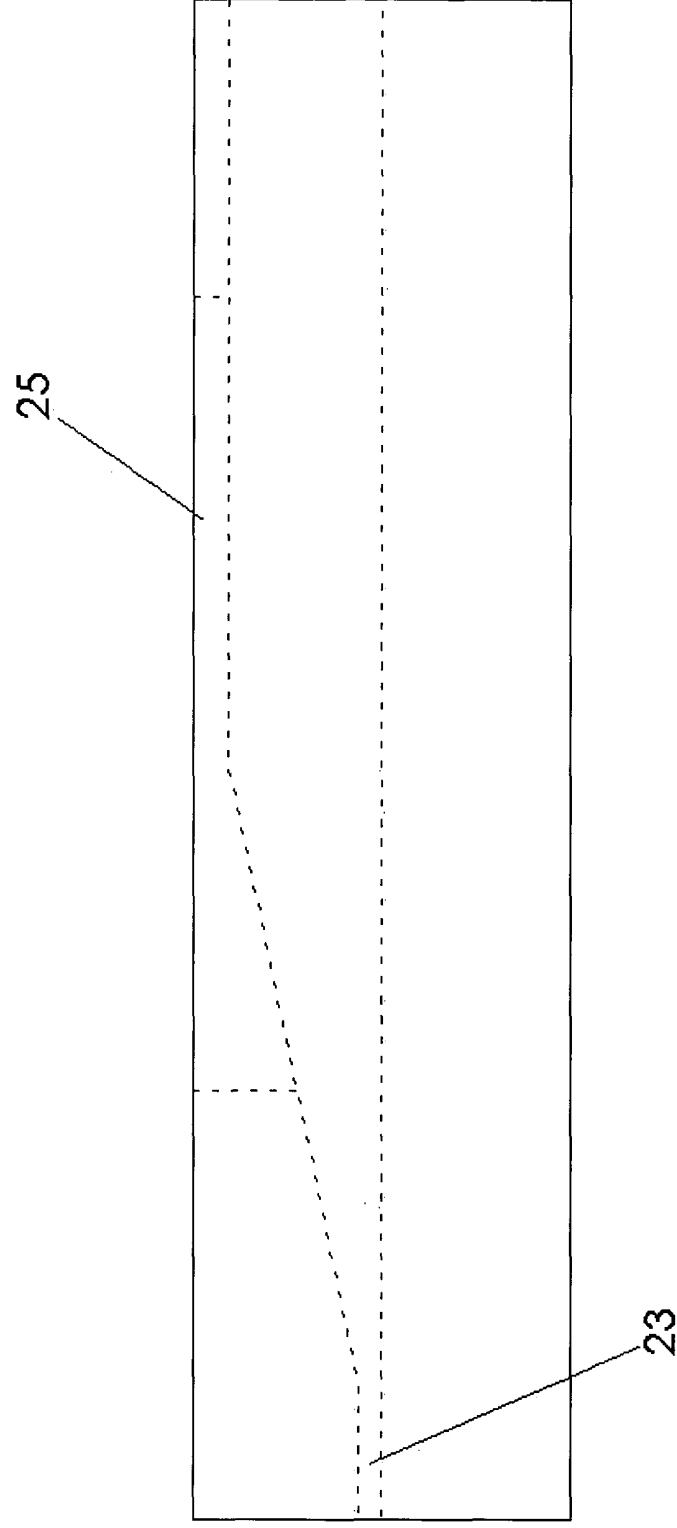


Figure 10c - Plastic Ferrule (Side)

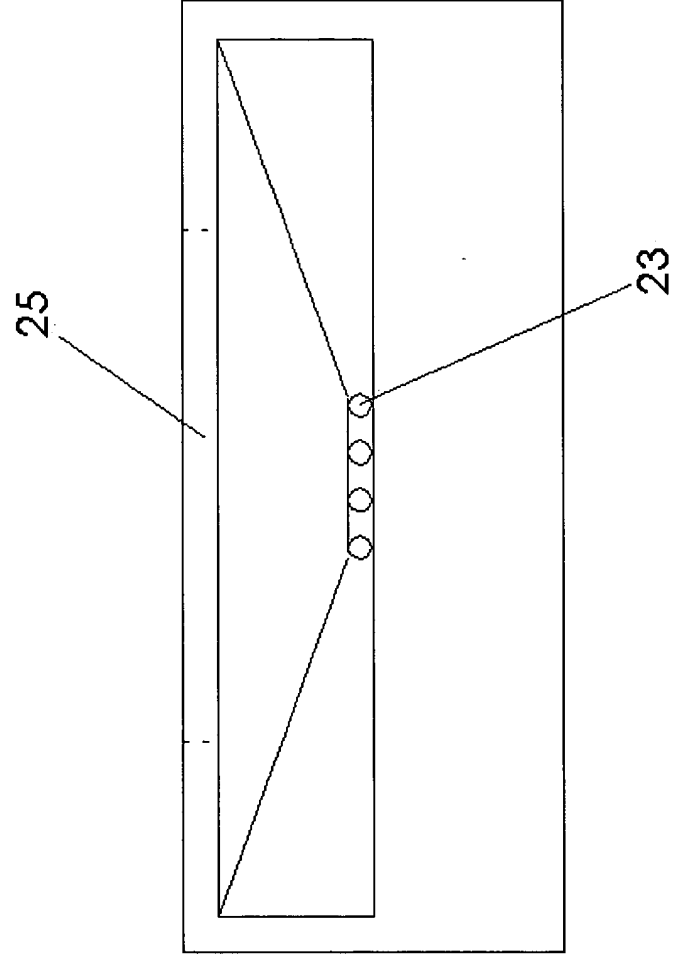


Figure 10d - Plastic Ferrule (Back)

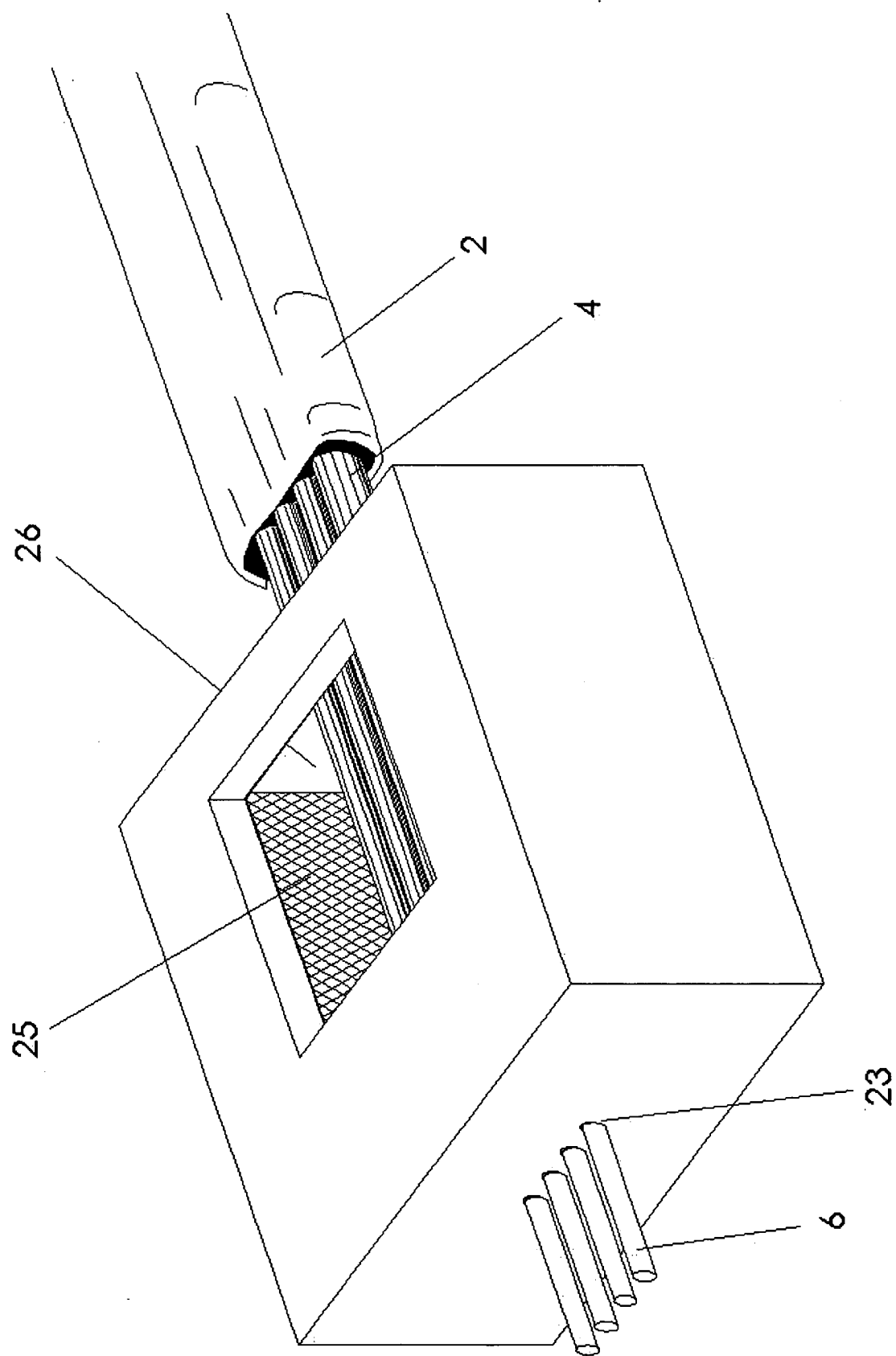


Figure 11 - Fibers in Ferrule (Perspective)

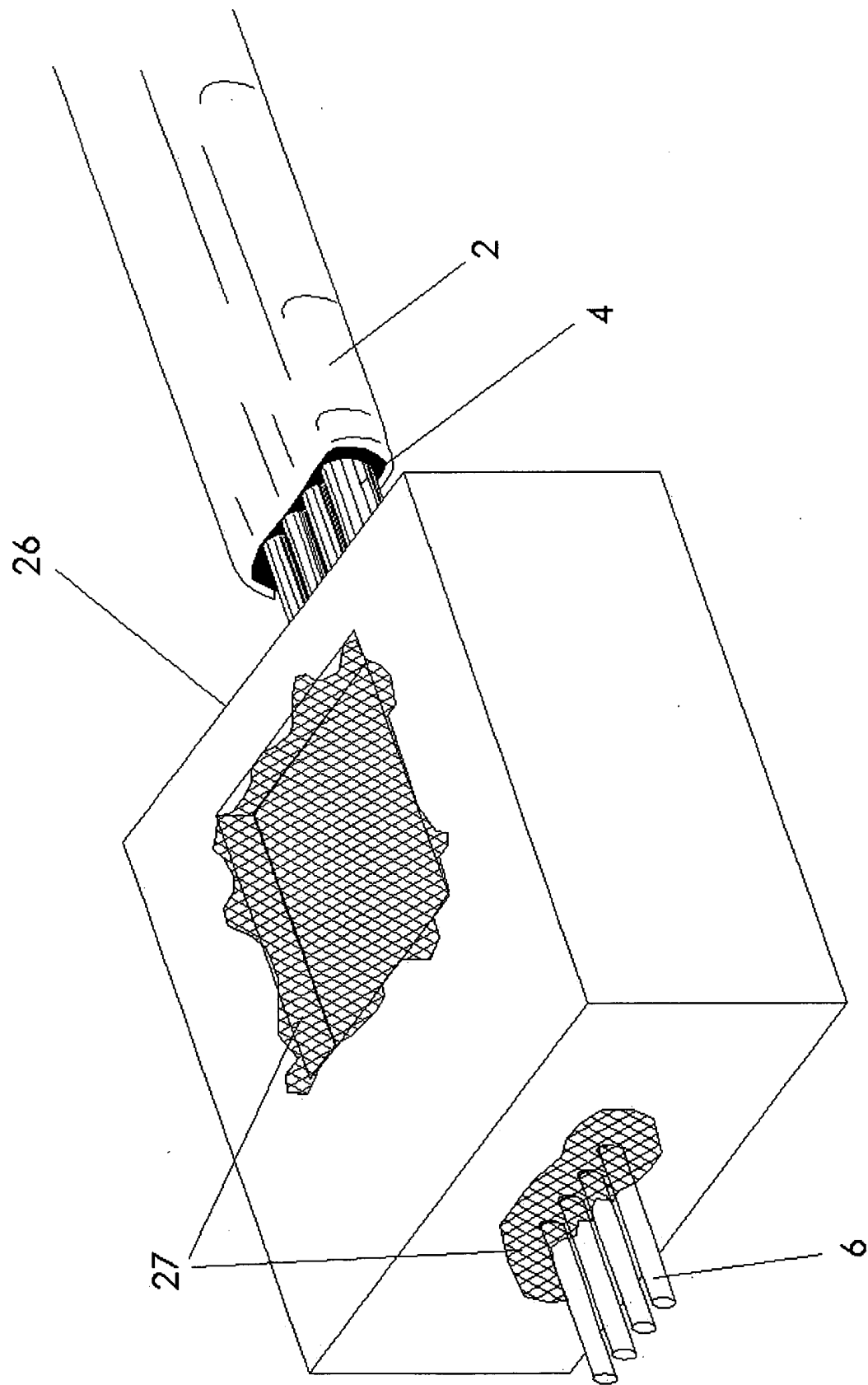


Figure 12 - Epoxy Filled Cavity (Perspective)

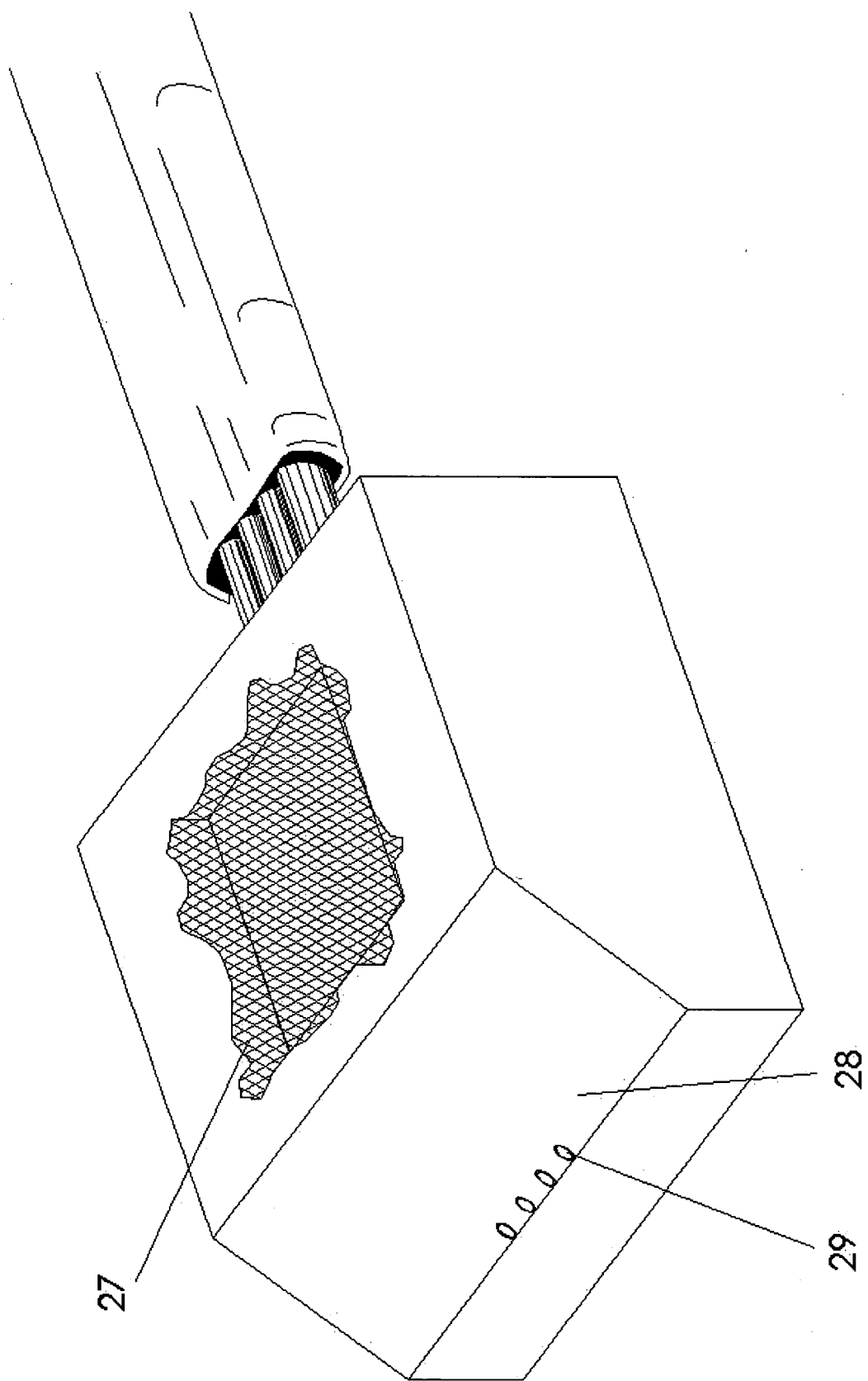


Figure 13 - Bevel (Perspective)

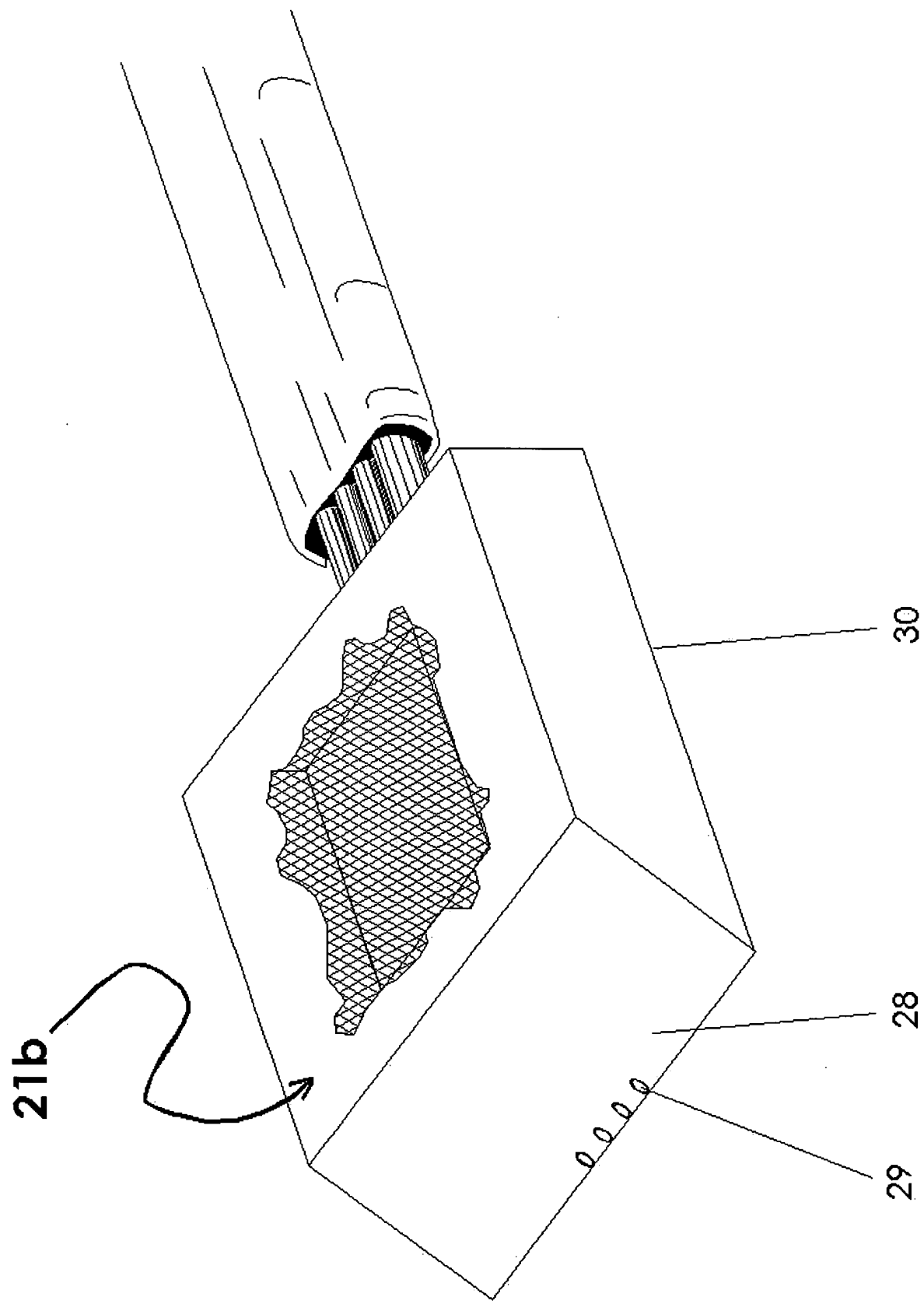


Figure 14 - Flat Polished (Perspective)



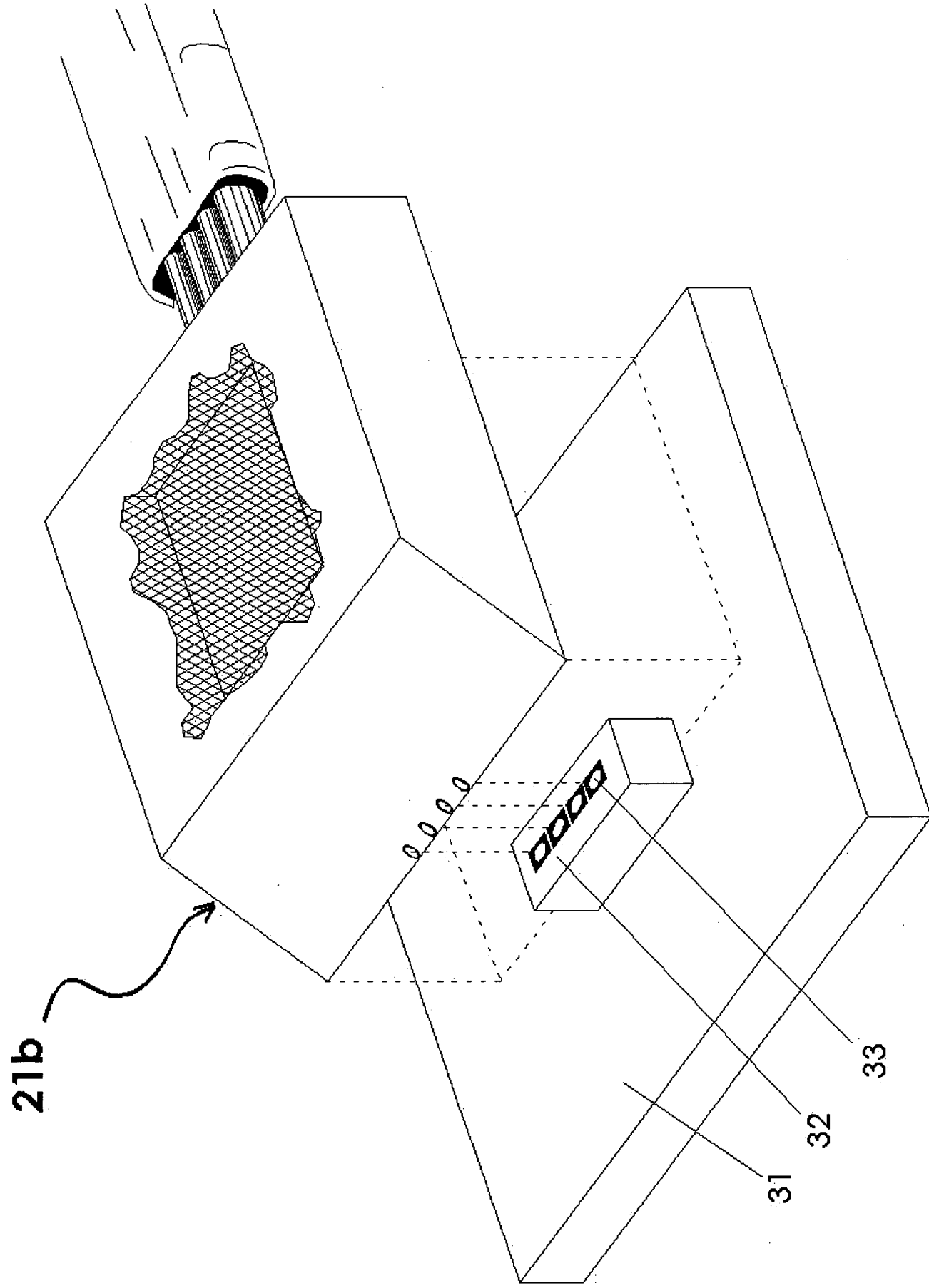


Figure 15 - Connector Over Optoelectronic (Perspective)

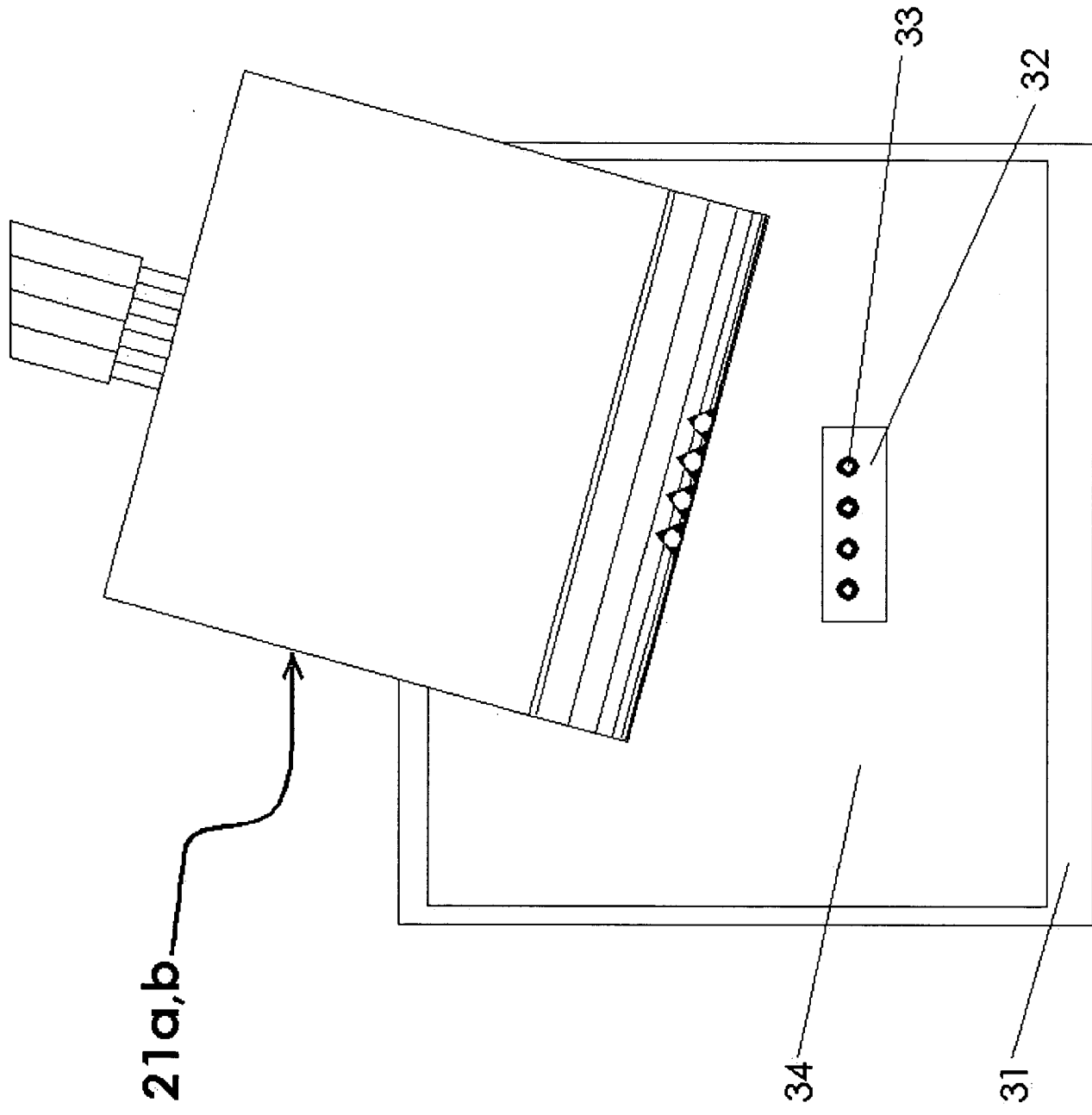


Figure 1 6a - Alignment Step 1 (Top)

21a,b

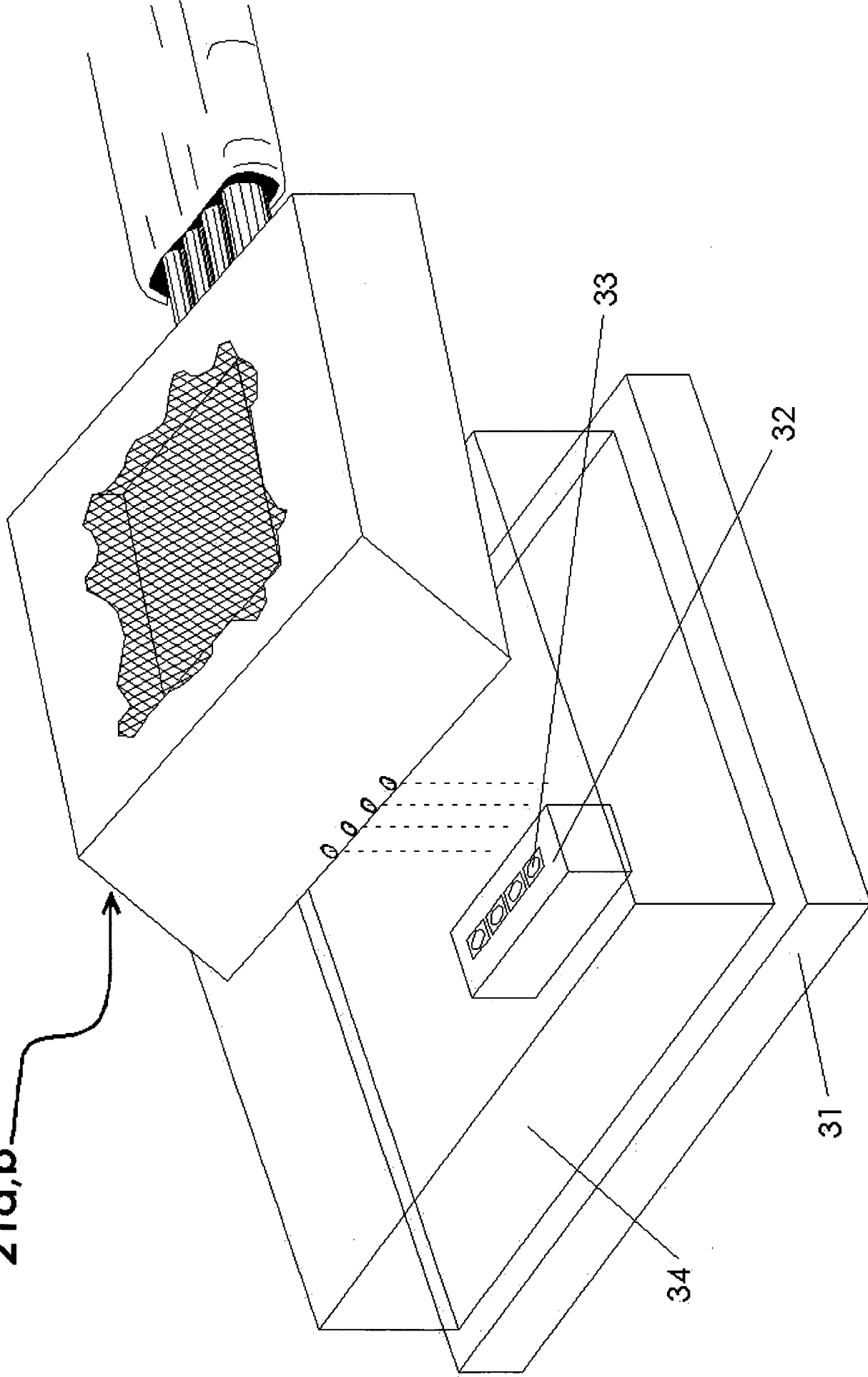


Figure 16b - Alignment Step 1 (Perspective)

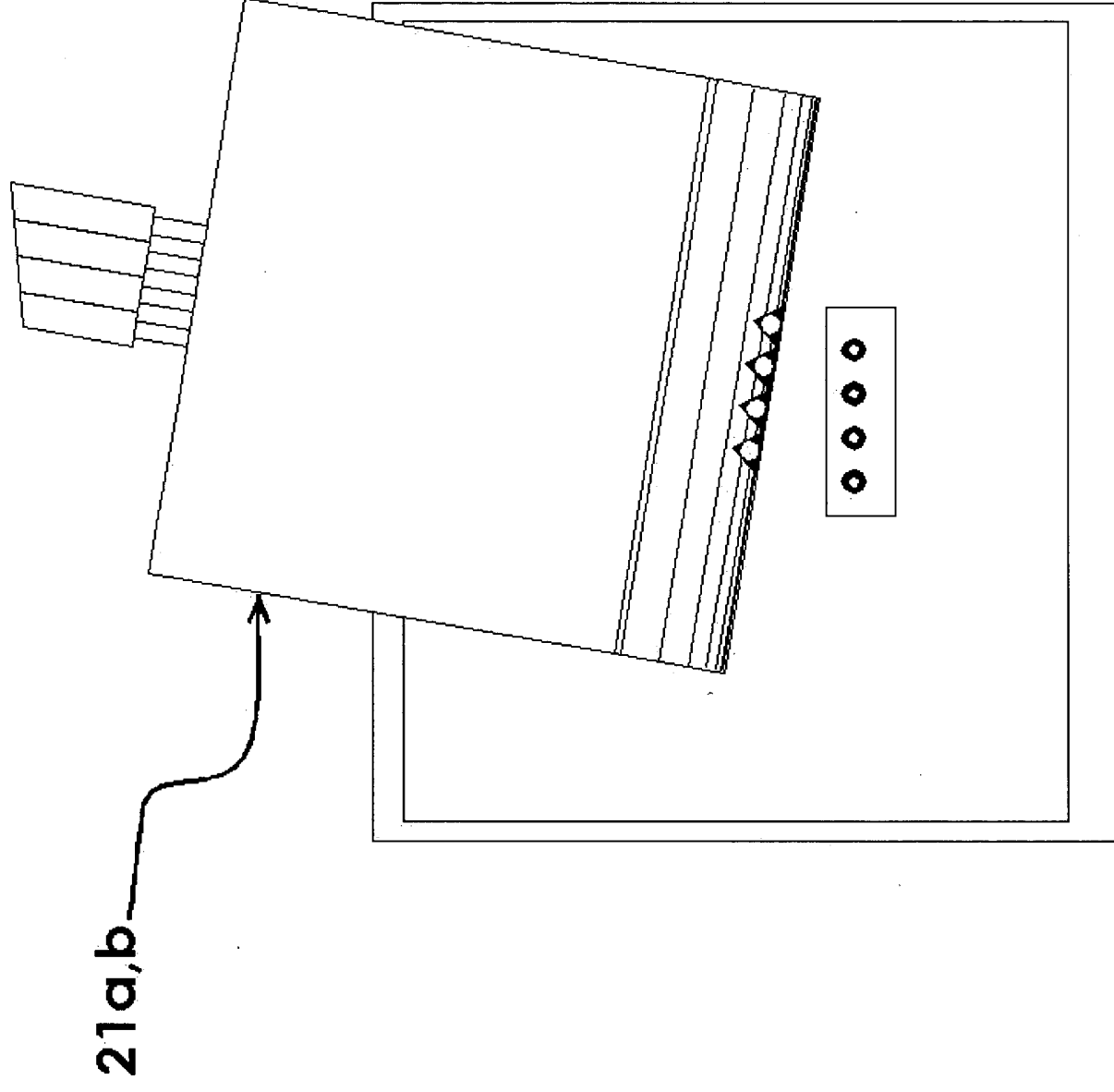


Figure 17a - Alignment Step 2 (Top)

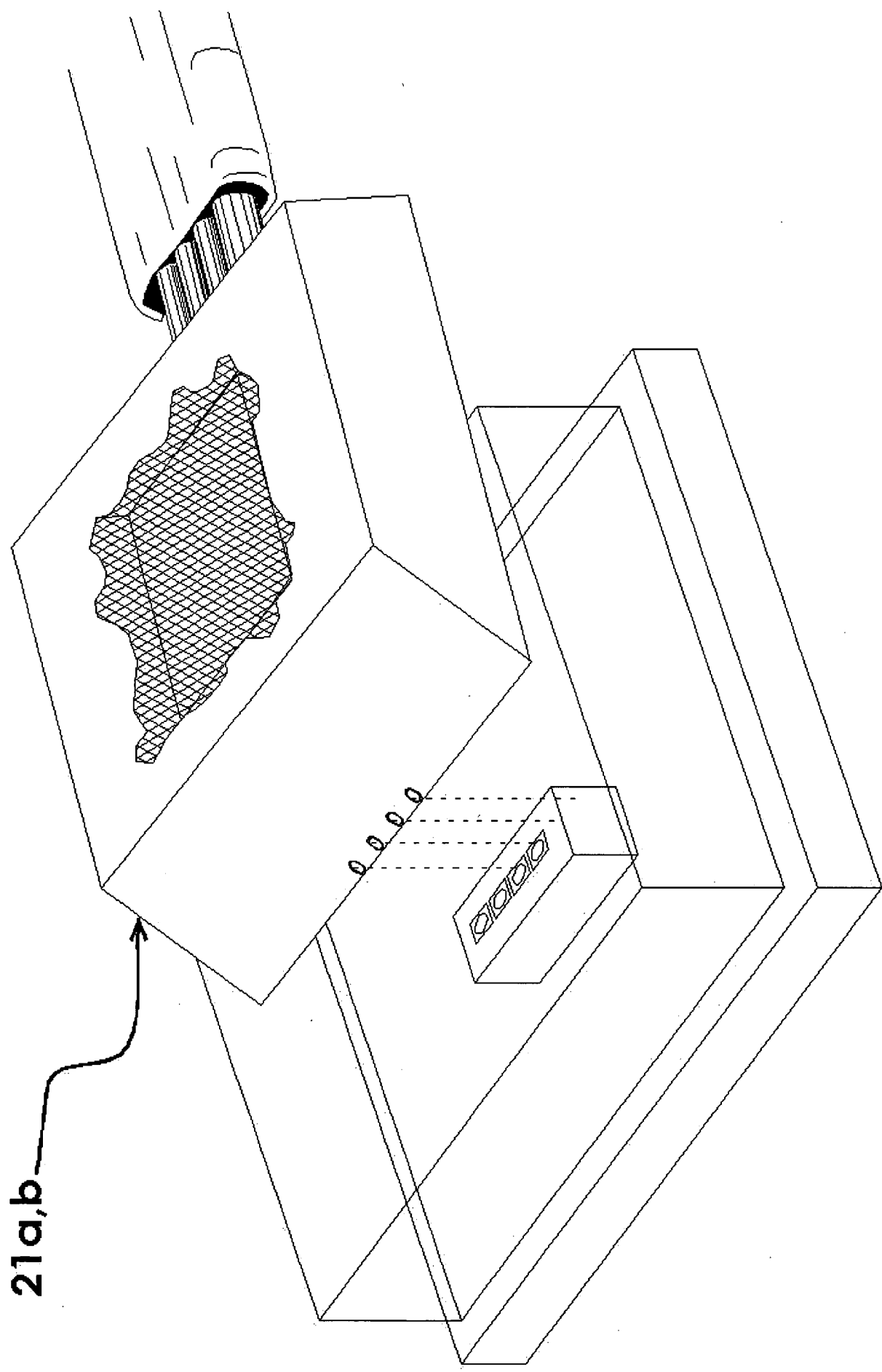


Figure 17b - Alignment Step 2 (Perspective)

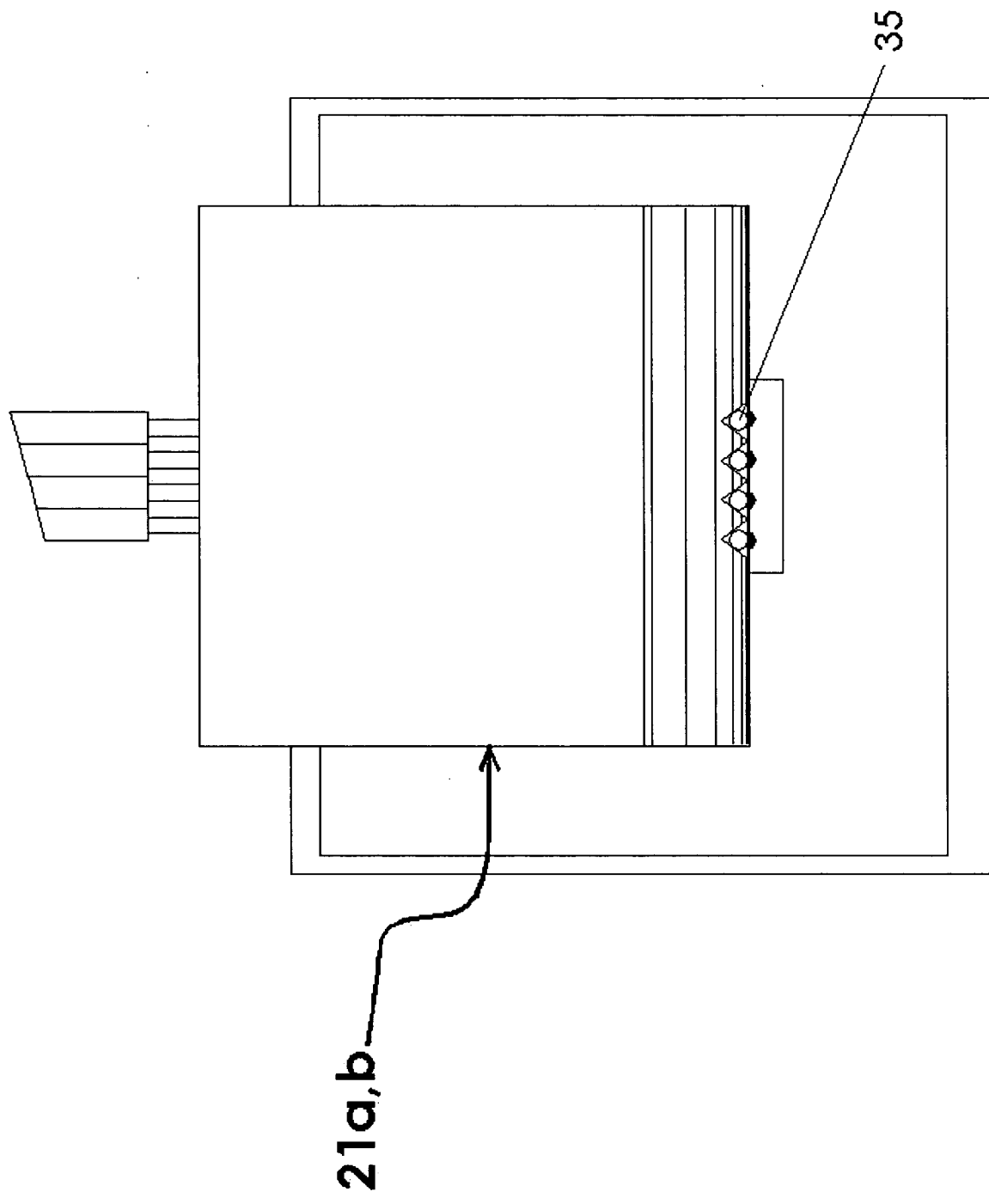


Figure 18a - Alignment Step 3 - Aligned (Top)

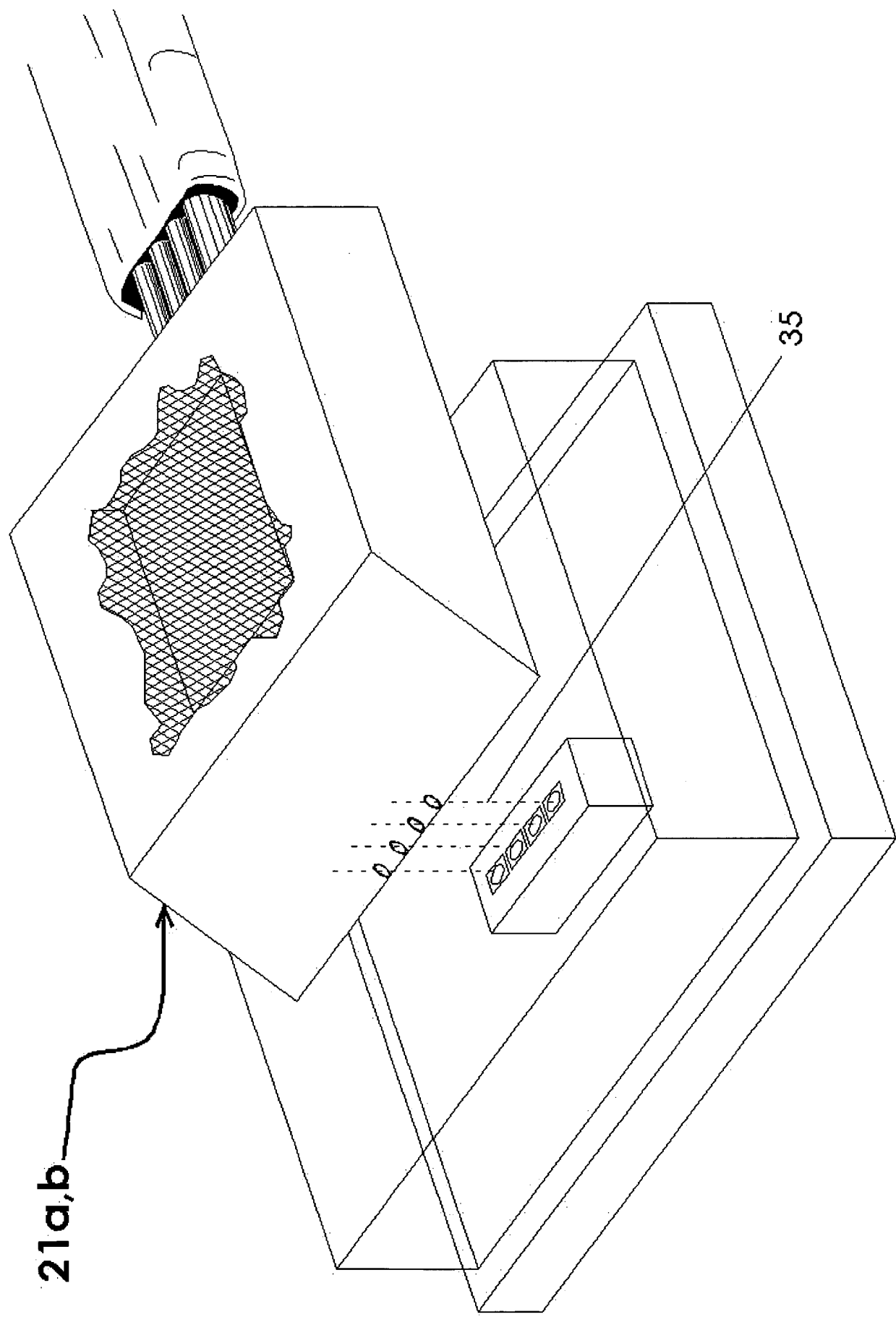


Figure 18b - Alignment Step 3 - Aligned (Perspective)

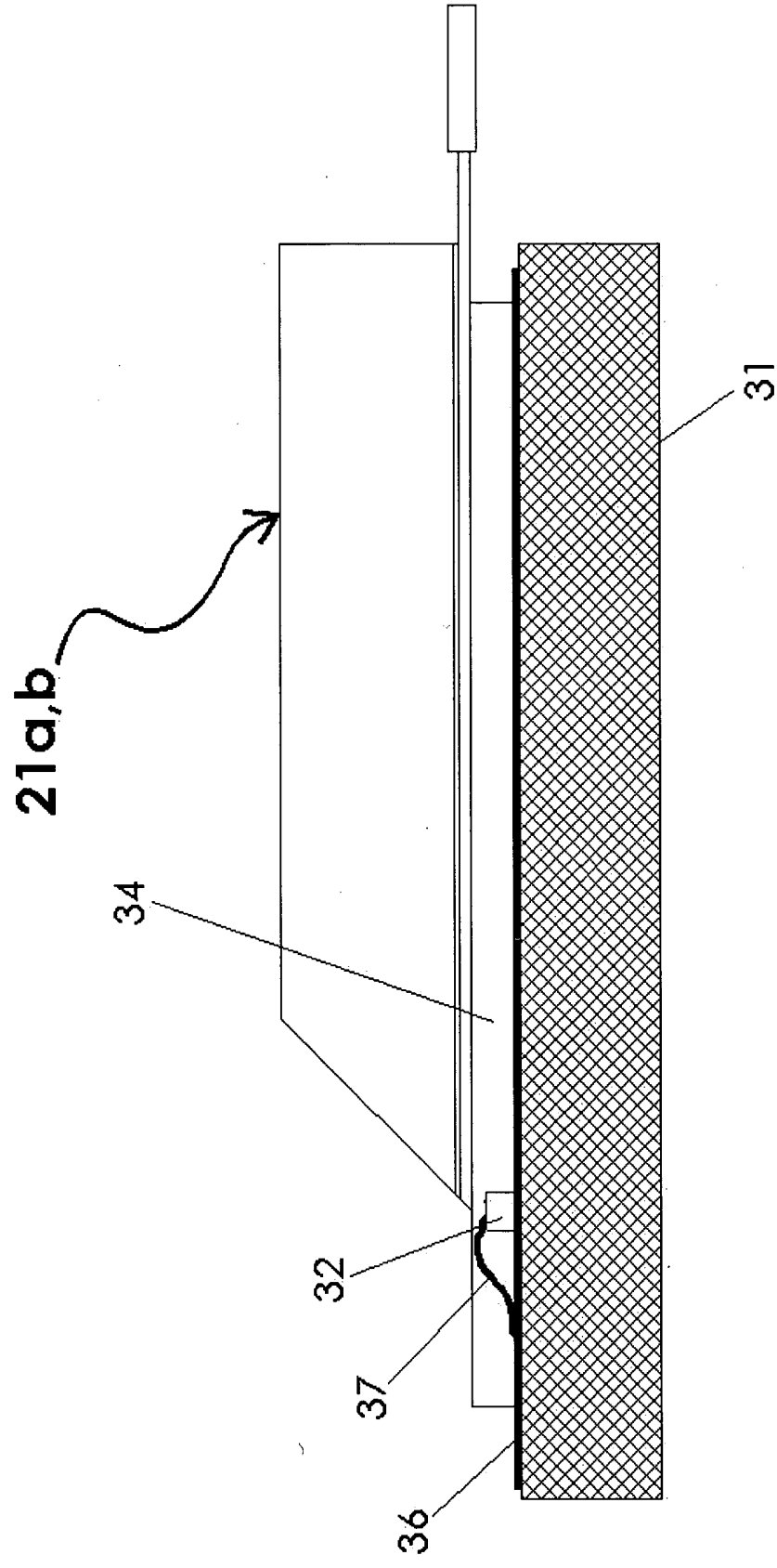


Figure 19 - Aligned Connector Over Optoelectronic (To Scale Side View)



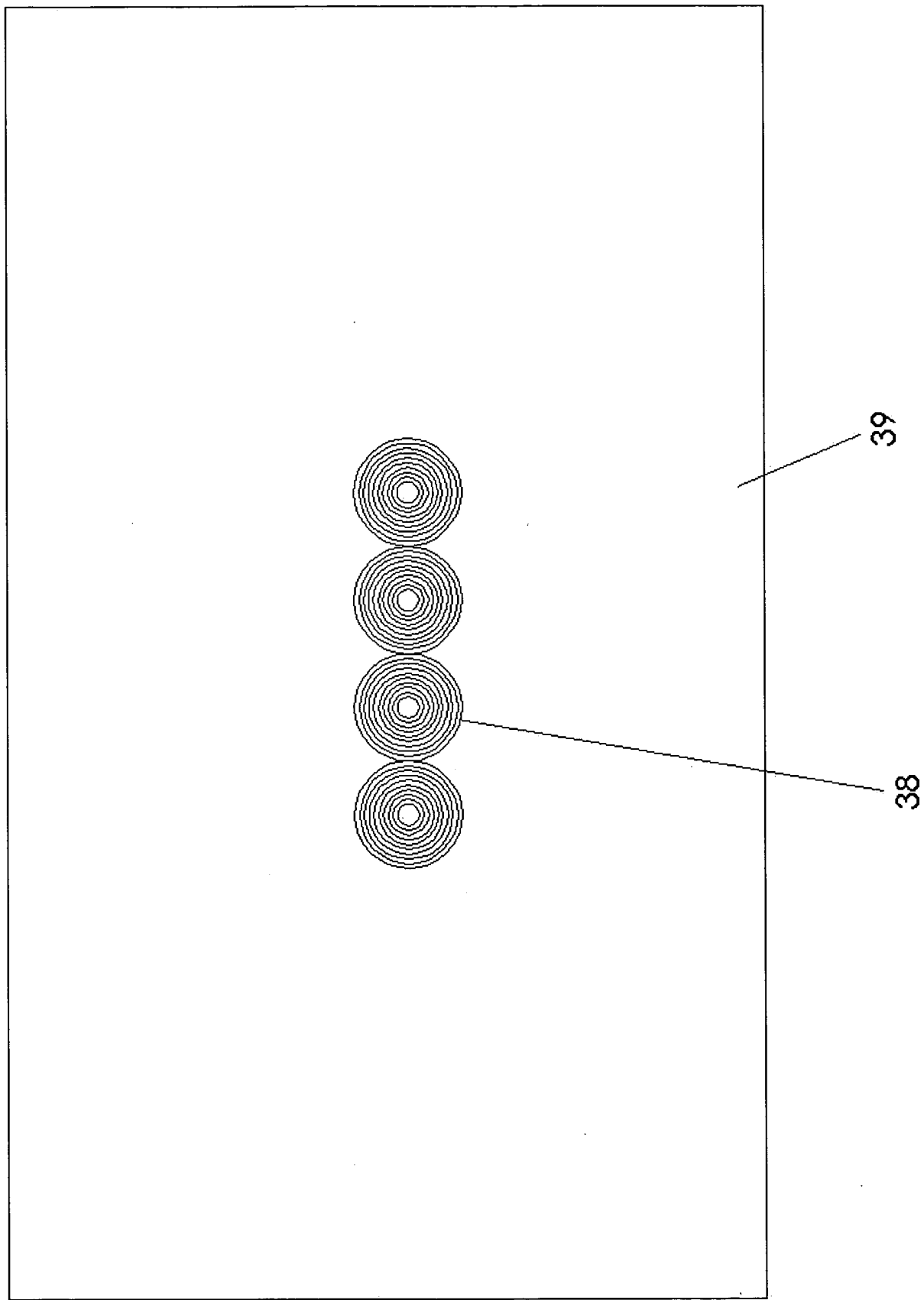


Figure 20 - Microlens Array on Glass Substrate (Top)

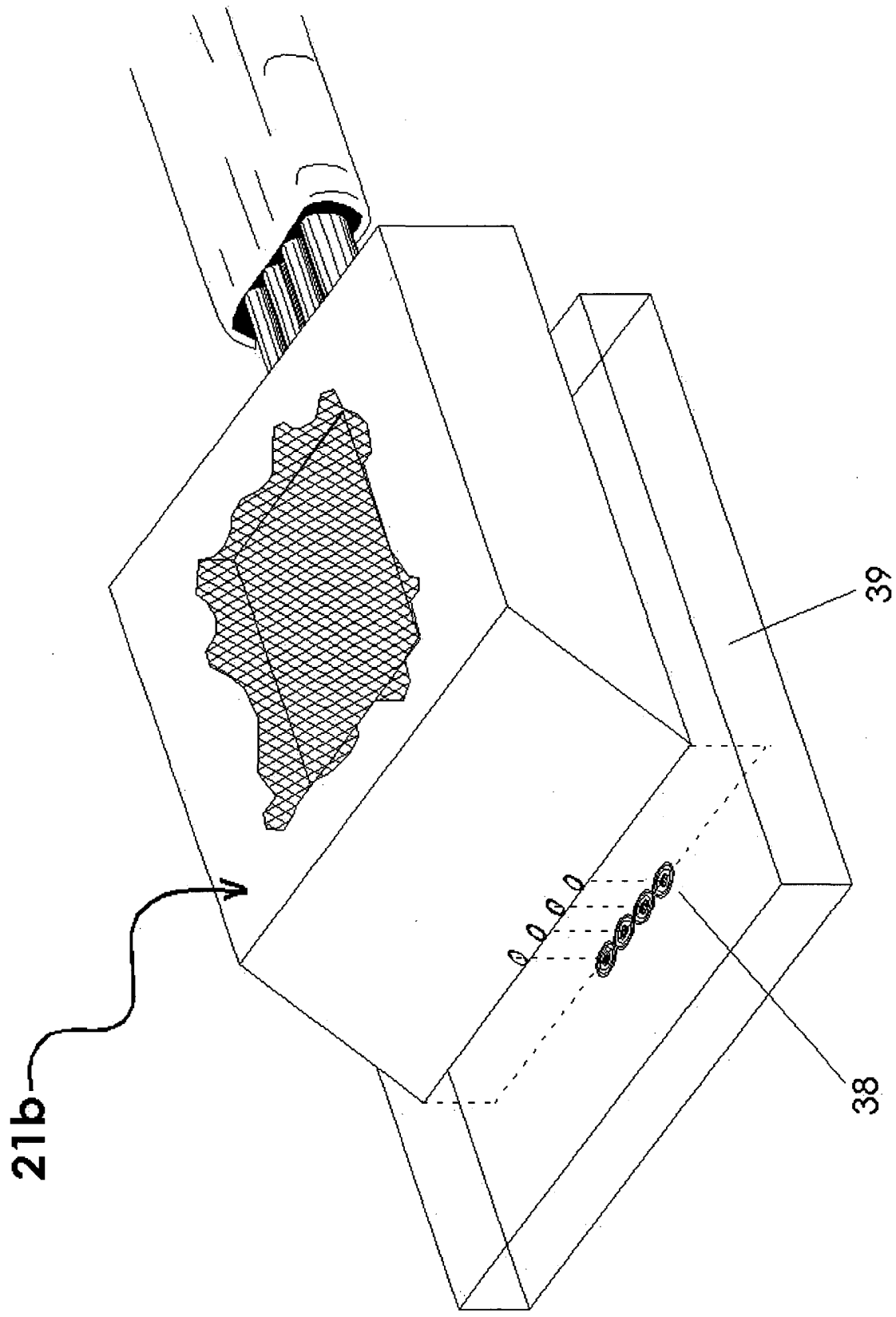


Figure 21 - Connector Over Microlenses (Perspective)

21a,b

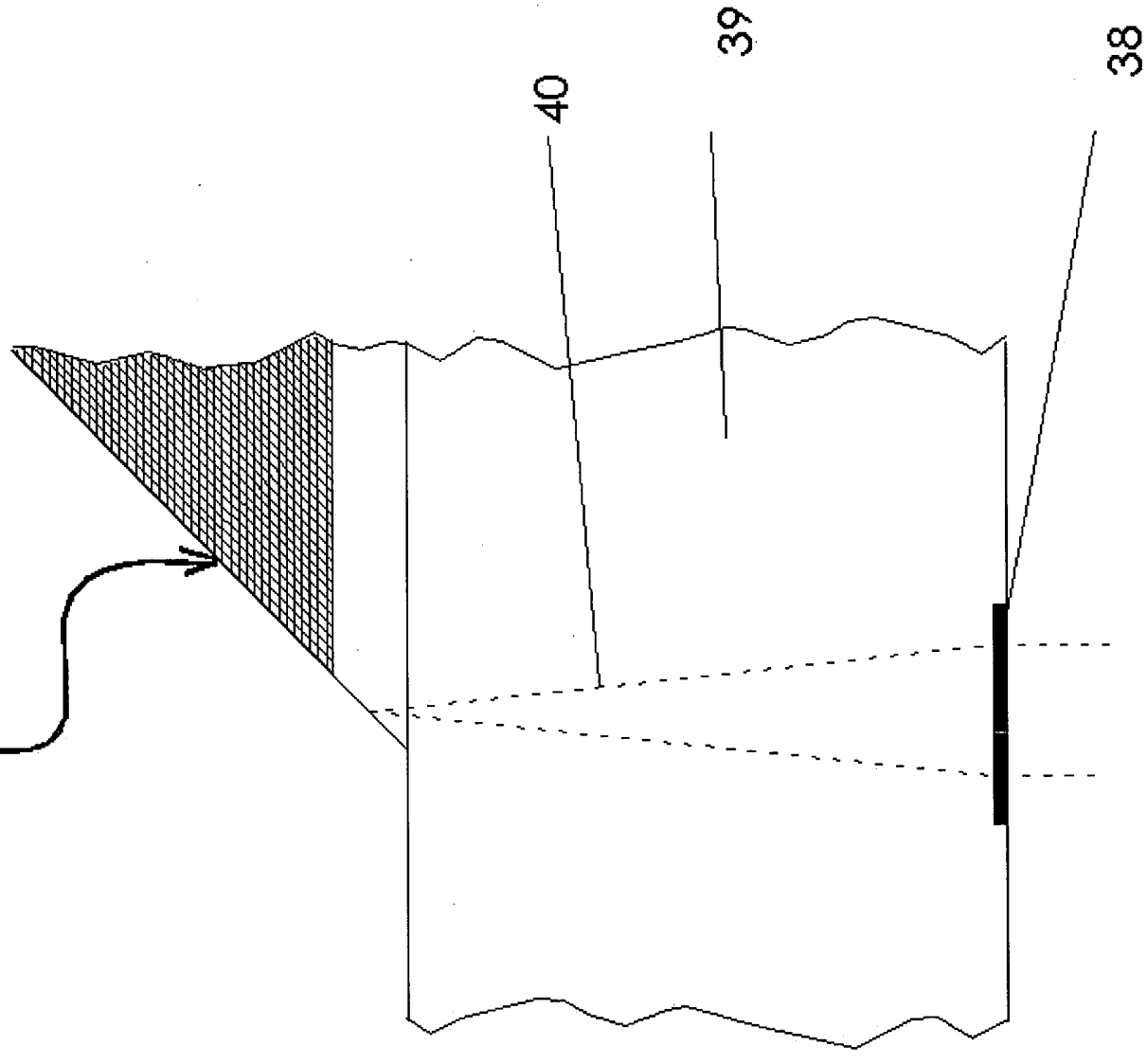


Figure 22a - Aligned Connector Over Microlens (Zoom-In Side View)

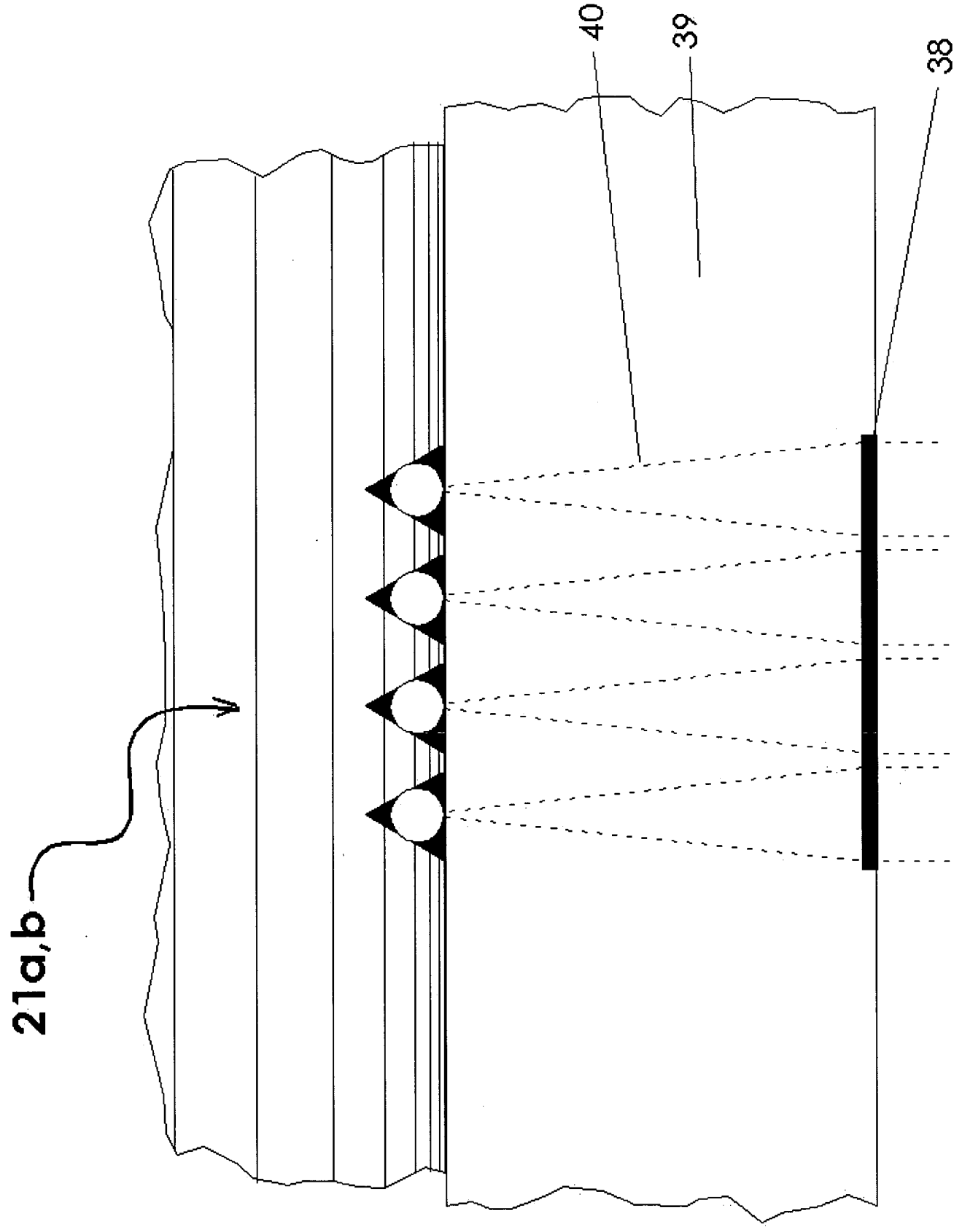


Figure 22b - Aligned Connector Over Microlens (Zoom-In Front View)

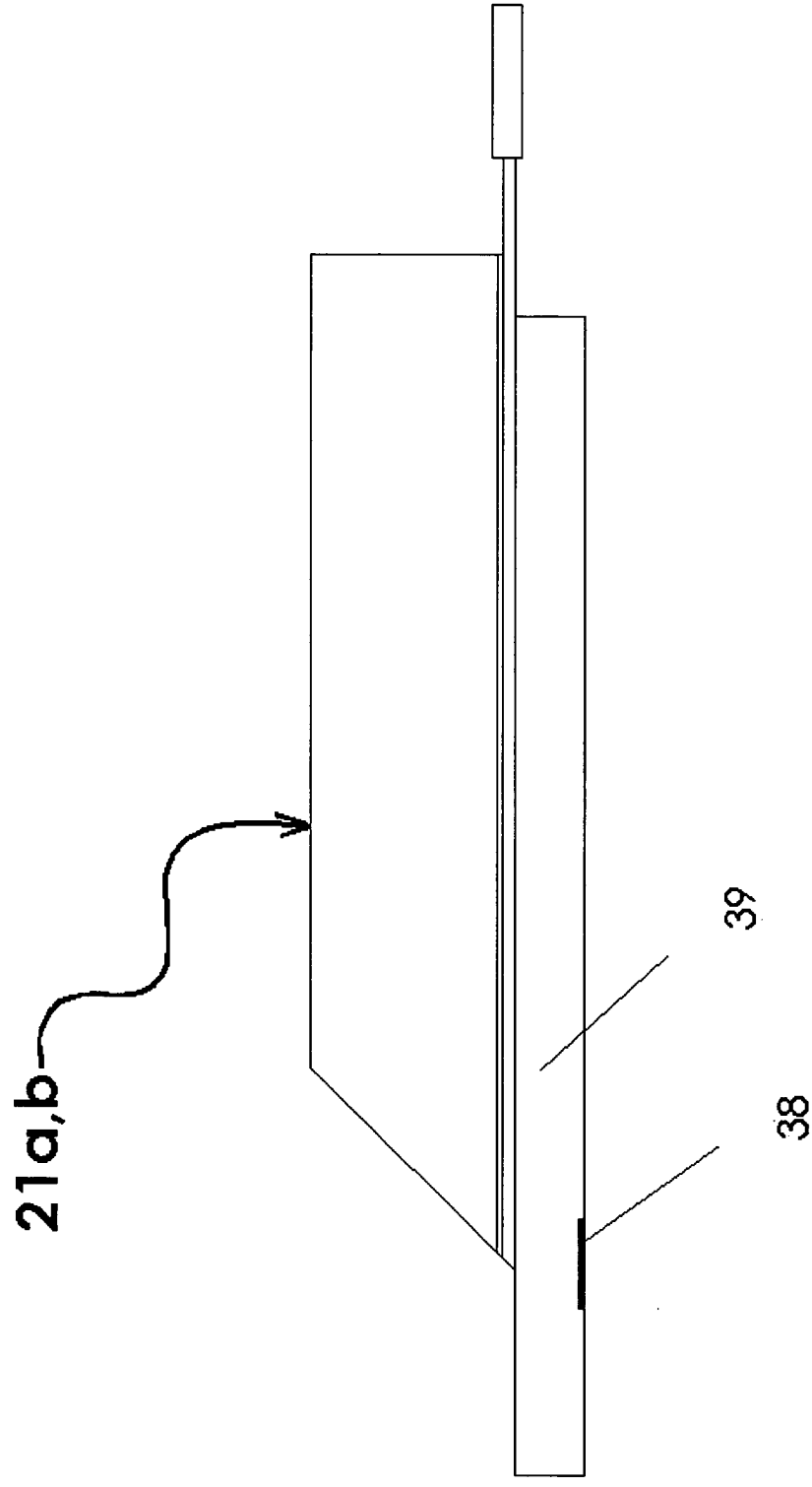


Figure 23 - Aligned Connector Over Microlens (To Scale Side View)